

List of Bivalve Molluscs from British Columbia, Canada

Compiled by

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INTRODUCTION

Classification rankings are constantly under debate and review. The higher classification utilized here follows Bieler *et al.* (2010). Another useful resource is the online *World Register of Marine Species* (WoRMS; Gofas 2013) where the traditional ranking of Pteriomorphia, Palaeoheterodonta and Heterodonta as subclasses is used.

This list includes 237 bivalve species from marine and freshwater habitats of British Columbia, Canada. Marine species (206) are mostly derived from Coan *et al.* (2000) and Carlton (2007). Freshwater species (31) are from Clarke (1981). Common names of marine bivalves are from Coan *et al.* (2000), who adopted most names from Turgeon *et al.* (1998); common names of freshwater species are from Turgeon *et al.* (1998). Changes to names or additions to the fauna since these two publications are marked with footnotes. Marine groups are in black type, freshwater taxa are in blue. Introduced (non-indigenous) species are marked with an asterisk (*). Marine intertidal species (n=84) are noted with a dagger (†).

Quayle (1960) published a BC Provincial Museum handbook, *The Intertidal Bivalves of British Columbia*. Harbo (1997; 2011) provided illustrations and descriptions of many of the bivalves found in British Columbia, including an identification guide for bivalve siphons and “shows”. Lamb & Hanby (2005) also illustrated many species.

Scientific collections began with Captain Cook and his crew, who anchored in Nootka Sound in 1778. The earliest description and name of a mollusc from the northeast Pacific was the Pacific Razor, *Siliqua patula* (Dixon, 1789). Dixon wrote a natural history appendix to the account of his voyage to the northwest coast of North America. He described the Pacific razor clam, and mentioned other species from Haida Gwaii (Queen Charlotte Islands).

The earliest checklist of marine mollusks of the Pacific coast of Canada was by Newcombe (1893), who listed 107 bivalves. Coan and Scott (1997) prepared a checklist of marine bivalves from the Arctic coast of Alaska to central Baja California, including all habitats from the intertidal to the deep sea.

Some aquaculture species in BC that occur on tenures, but have not yet established reproducing populations, are not included in the list; e.g., Japanese Weathervane, *Mizuhopecten yessoensis* and hybrids with the Weathervane Scallop, *Patinopecten caurinus*, and the Kumamoto Oyster, *Crassostrea sikamea*.

LIST OF BIVALVE MOLLUSCS FROM BRITISH COLUMBIA

Class Bivalvia

Subclass Protobranchia

Order Nuculida

Superfamily Nuculoidea

Family Nuculidae

Genus *Nucula*

Subgenus *Lamellinucula*

Nucula carlottensis Dall, 1897: Charlotte Nutclam

Genus *Acila*

Subgenus *Truncacila*

Acila castrensis (Hinds, 1843): Divaricate Nutclam

Genus *Ennucula*

Ennucula linki (Dall, 1916); Pointed Nutclam

Ennucula tenuis (Montagu, 1808); Smooth Nutclam

Family Sareptidae

Subfamily Sareptinae

Genus *Setigloma*

Setigloma japonica (E.A. Smith, 1885); Japan Gloma

Subfamily Pristiglominae

Genus *Pristigloma*

Pristigloma nitens (Jeffreys, 1876); Shining Gloma

Order Solemyida

Superfamily Solemyoidea

Family Solemyidae

Genus *Solemya*

Subgenus *Petrasma*

Solemya pervernicosa Kuroda, 1948: Gutless Awningclam ¹

Genus *Acharax*

Acharax johnsoni (Dall, 1891): Giant Awning Clam

Order Nuculanida

Superfamily Nuculanoidea

Family Nuculanidae

Subfamily Nuculaninae

Genus *Nuculana*

Subgenus *Nuculana*

Nuculana extenuata (Dall, 1897): Elongate Nutclam

Nuculana hamata (Carpenter, 1864): Hooked Nutclam

Nuculana leonina (Dall, 1896): Lion Nutclam

Nuculana minuta (Müller, 1776): Minute Nutclam

Nuculana navisa (Dall, 1916): Ship Nutclam

Nuculana pernula (Müller, 1779): Northern Nutclam

Subgenus *Jupiteria*

Nuculana cellulita (Dall, 1896): Fine-lined Nutclam

Nuculana penderi (Dall & Bartsch, 1910): Sharp-point Nutclam ²

Subgenus *Tenuileda*

Nuculana conceptionis (Dall, 1896): California Nutclam

Subfamily Ledellinae

Genus *Ledella*

Subgenus *Ledella*

Ledella sandersi Filatova & Schileyko, 1984: Sanders Miniature-nutclam

Genus *Ledellina*

Ledellina convexirostrata Filatova & Schileyko, 1984:

Spinula Miniature-nutclam

Family Malletiidae

Genus *Malletia*

Malletia faba Dall, 1897: Bean Malletia

Malletia pacifica Dall, 1897: Pacific Malletia

Malletia talama Dall, 1916: Fat Malletia

Genus *Katadesmia*

Katadesmia vincula (Dall, 1908): Tied Malletia

Family Neilonellidae

Genus *Neilonella*

Neilonella brunnea (Dall, 1916): Brown Neilonellid

¹ *Solemya reidi* F.R. Bernard, 1980, is a synonym of *S. pervernicosa*, which belongs to the subgenus *Petrasma* (Kamenev 2009).

² *Sacella penderi* (Gofas 2013; Huber 2010).

Genus *Austrotindaria*
Austrotindaria gibbsii (Dall, 1897): Gibbs Neilonellid

Family Tindariidae
Genus *Tindaria*
Tindaria kennerlyi (Dall, 1897): Kennerly Tindaria

Family Yoldiidae
Subfamily Yoldiinae
Genus *Yoldia*
Subgenus *Yoldia*
Yoldia hyperborea (A.A. Gould, 1841): Northern Yoldia
Yoldia myalis (Couthouy, 1838): Oval Yoldia
Subgenus *Cnesterium*
Yoldia seminuda Dall, 1871: Oblique-lined Yoldia
Subgenus *Megayoldia*
Yoldia martyria (Dall, 1897): Oblique Yoldia
Yoldia montereyensis (Dall, 1893): Monterey Yoldia
Yoldia thraciaeformis (Storer, 1838): Broad Yoldia

Subfamily Yoldiellinae
Genus *Yoldiella*
Yoldiella nana (M. Sars, 1865): Sibling Yoldia
Yoldiella orcica (Dall, 1916): California Yoldia

Subclass Autobranchia
Superorder Pteriomorpha
Order Mytilida
Superfamily Mytiloidea
Family Mytilidae
Subfamily Mytilinae
Genus *Adula*
Adula californiensis (R.A. Philippi, 1847): California Datemussel †

Genus *Mytilus*
Mytilus edulis Linnaeus, 1758: Blue Mussel *³†
Mytilus californianus Conrad, 1837: California Mussel †
Mytilus galloprovincialis Lamarck, 1819: Mediterranean Mussel * †
Mytilus trossulus A.A. Gould, 1850: Foolish Mussel †
Hybrids: *M. trossulus*–*M. galloprovincialis*; *M. trossulus*–*M. edulis*;
M. galloprovincialis–*M. edulis*³ †

Subfamily Crenellinae
Genus *Crenella*
Crenella decussata (Montagu, 1808): Cross-sculpture Crenella †

Genus *Arcuatula*
Arcuatula senhousia (W.H. Benson in Cantor, 1842): Green Mussel *⁴†

³ Shields *et al.* (2008).

⁴ Previously *Musculista senhousia* (Gofas 2013; Huber 2010).

Genus *Musculus*

Musculus discors (Linnaeus, 1767): Discordant Mussel

Musculus glacialis (Leche, 1883): Corrugate Mussel

Musculus niger (J.E. Gray, 1824): Black Mussel †

“Musculus” taylori (Dall, 1897): Taylor Dwarf-mussel †

Genus *Solamen*

Solamen columbianum (Dall, 1897): British Columbia Crenella

Genus *Vilasina*

Vilasina seminuda (Dall, 1897): Partly-sculptured Crenella

Vilasina verinica (Middendorff, 1849) Varnished Crenella⁵

Subfamily Dacrydiinae

Genus *Dacrydium*

Subgenus *Dacrydium*

Dacrydium pacificum Dall, 1916: Pacific Glassy-mussel

Subfamily Modiolinae

Genus *Modiolus*

Subgenus *Modiolus*

Modiolus modiolus (Linnaeus, 1758): Northern Horsemussel †

Subgenus *Modiolusia*

Modiolus rectus (Conrad, 1837): Straight Horsemussel †

Superfamily Arcoidea

Family Arcidae

Subfamily Anadarinae

Genus *Bathyarca*

Bathyarca nucleator (Dall, 1908): Nucleated Bathyark

Superfamily Glycymeridoidea

Family Glycymerididae

Subfamily Glycymeridinae

Genus *Glycymeris*

Subgenus *Axinola*

Glycymeris keenae Willett, 1944: Commarginal Bittersweet ⁶ †

Glycymeris septentrionalis (Middendorff, 1849): Western Bittersweet †

Superfamily Limopsoidea

Family Limopsidae

Genus *Limopsis*

Limopsis tenella Jeffreys, 1876: Ocean Limops

Genus *Empleconia*

Empleconia vaginata (Dall, 1891): Vaginate Limops

⁵ Recorded in BC by Harbo *et al.* (2013).

⁶ Recorded from British Columbia by Merilees (2008).

Family Philobryidae
Genus *Philobrya*
Philobrya setosa (Carpenter, 1864): Hairy Philobrya †

Order Ostreida

Superfamily Ostreoidea

Family Ostreidae

Subfamily Ostreinae

Tribe Ostreini

Genus *Ostrea*

Ostrea lurida (Carpenter, 1864): Olympia Oyster ⁷ †

Subfamily Crassostreinae

Tribe Crassostreini

Genus *Crassostrea*

Crassostrea gigas (Thunberg, 1793): Pacific Oyster* †

Crassostrea virginica (Gmelin, 1791): Atlantic Oyster * †

Order Pectinida

Superfamily Anomioidea

Family Anomiidae

Genus *Pododesmus*

Subgenus *Monia*

Pododesmus macrochisma (Deshayes, 1839): Green False-jingle †

Superfamily Pectinoidea

Family Pectinidae

Subfamily Pectininae

Tribe Pectini

Genus *Patinopecten*

Patinopecten caurinus (A.A. Gould, 1850): Weathervane Scallop

Subfamily Camptonectinae

Genus *Delectopecten*

Delectopecten vancouverensis (Whiteaves, 1893): Vancouver Scallop

Subfamily Chlamydiae

Tribe Chlamydini

Genus *Chlamys*

Chlamys hastata (G.B. Sowerby II, 1842): Spiny Scallop †

Chlamys rubida (Hinds, 1845): Reddish Scallop

Tribe Crassadomini

Genus *Crassadoma*

Crassadoma gigantea (J.E. Gray, 1825): Giant Rock-scallop †

Family Propeamussiidae

Genus *Cyclopecten*

Cyclopecten carlottensis F.R. Bernard, 1968: Charlotte Glass-scallop

⁷ Based on molecular data, *Ostrea lurida* was resurrected for the native oyster; *O. conchaphila* is a separate, southern species (Polson *et al.* 2009).

Cyclopecten davidsoni (Dall, 1897): Salmon Glass-scallop
Cyclopecten greenlandicus (G.B. Sowerby II, 1842):
Greenland Glass-scallop
Cyclopecten knudseni F.R. Bernard, 1978: Knudsen Glass-scallop
Genus *Parvamussium*
Parvamussium alaskense (Dall, 1871): Alaska Glass-scallop

Order Limoida

Superfamily Limoidea

Family Limidae

Subfamily Limatulinae

Genus *Limatula*

Subgenus *Limatula*

Limatula attenuata Dall, 1916: Attenuate Fileclam

Limatula saturna F.R. Bernard, 1978: Saturna Fileclam

Limatula vancouverensis F.R. Bernard, 1978: Vancouver Fileclam

Superorder Heteroconchia

Clade Palaeoheterodonta

Order Unionoidea

Superfamily Unionoidea

Family Unionidae

Subfamily Unioninae

Tribe Anodontini

Genus *Anodonta*

Anodonta beringiana Middendorff, 1851: Yukon Floater

Anodonta kennerlyi I. Lea, 1860: Western Floater ⁸

Anodonta nuttalliana I. Lea, 1839: Winged Floater ⁹

Subfamily Gonideinae

Genus *Gonidea*

Gonidea angulata (I. Lea, 1839): Western Ridged Mussel

Subfamily Ambleminae

Tribe Lampsilini

Genus *Lampsilis*

Lampsilis siliquoidea (Barnes, 1823): Fatmucket ¹⁰

Family Margaritiferidae

Genus *Margaritifera*

Margaritifera falcata (A.A. Gould, 1850) Western Pearlshell

⁸ Using molecular data, Chong *et al.* (2008) found two clades: *Anodonta californiensis/nuttalliana* and *A. kennerlyi/oregonensis*, which are at odds with morphological similarities between taxa. Clarke (1981) recognized just *A. kennerlyi* and *A. nuttalliana* (adopted here).

⁹ *Ibid.*

¹⁰ Newly recorded from B.C. (<http://linnet.geog.ubc.ca/efauna/Atlas/Atlas.aspx?sciname=Lampsilis%20siliquoidea>).

Clade Heterodonta

Order Lucinida

Superfamily Lucinoidea

Family Lucinidae

Subfamily Lucininae

Genus *Parvilucina*

Parvilucina tenuisculpta (Carpenter, 1864): Fine-lined Lucine †

Subfamily Myrteinae

Genus *Lucinoma*

Lucinoma annulatum (Reeve, 1850): Ringed Lucine †

Superfamily Thyasiroidea

Family Thyasiridae

Genus *Thyasira*

Thyasira flexuosa (Montagu, 1803): Flexuose Cleftclam

Genus *Axinopsida*

Axinopsida serricata (Carpenter, 1864): Lenticular Axinopsid

Genus *Adontorhina*

Adontorhina cyclia S.S. Berry, 1947: Circle Axinopsid

Adontorhina sphaericosa P.H. Scott, 1986: Inflated Axinopsid

Genus *Conchocele*

Conchocele bisecta (Conrad, 1849): Giant Cleftclam

Genus *Mendicula*

Mendicula ferruginosa (Forbes, 1844): Rusty Axinopsid

Order Carditida

Superfamily Carditoidea

Family Carditidae

Subfamily Carditamerinae

Genus *Cyclocardia*

Subgenus *Cyclocardia*

Cyclocardia ventricosa (A.A. Gould, 1850): Stout Carditid

Subgenus *Crassicardia*

Cyclocardia crassidens (Broderip & G.B. Sowerby I, 1829): Thick Carditid

Genus *Glans*

Glans carpenteri (Lamy, 1922): Carpenter Carditid

Genus *Miodontiscus*

Miodontiscus prolongatus (Carpenter, 1864): Elongate Carditid †¹¹

Subfamily Thecaliinae

Genus *Milneria*

Milneria minima (Dall, 1871): Tiny Pouchclam †

¹¹ Found intertidally, Skidegate Narrows, Haida Gwaii (R. Harbo, unpublished).

Superfamily Crassatelloidea

Family Astartidae

Subfamily Astartinae

Genus *Astarte*

Astarte arctica (J.E. Gray, 1824): Arctic Astarte

Astarte borealis (Schumacher, 1817): Boreal Astarte †

Astarte compacta Carpenter, 1864: Compact Astarte

Astarte elliptica (T. Brown, 1827): Elliptical Astarte

Astarte esquimalti (W. Baird, 1863): Wavy-line Astarte

Order Venerida

Superfamily Arcticoidea

Family Trapezidae

Genus *Neotrapezium*

Neotrapezium liratum (Reeve, 1843): Quadrate Trapezium *†

Superfamily Cardioidea

Family Cardiidae

Subfamily Clinocardiinae

Genus *Clinocardium*

Subgenus *Clinocardium*

Clinocardium nuttallii (Conrad, 1837): Nuttall Cockle†

Subgenus *Ciliatocardium*

Clinocardium ciliatum (Fabricius, 1780): Hairy Cockle

Subgenus *Keenocardium*

Clinocardium blandum (A.A. Gould, 1850): Low-rib Cockle

Genus *Serripes*

Subgenus *Serripes*

Serripes groenlandicus (Mohr, 1786): Greenland Smoothcockle

Subfamily Laevicardiinae

Genus *Nemocardium* Meek, 1876

Subgenus *Keenaea*

Nemocardium centifilosum (Carpenter, 1864): Hundred-line Cockle

Superfamily Chamoidea

Family Chamidae

Genus *Pseudochama*

Pseudochama granti A.M. Strong, 1934: Deep Jewelbox

Superfamily Cyrenoidea

Family Cyrenidae

Genus *Corbicula*

Corbicula fluminea (Müller, 1774): Asian Clam *¹²

¹² Recorded from British Columbia by Kirkendale & Clare (2008).

Superfamily Galeommatoidea

Family Galeommatidae

Genus *Scintillona*

Scintillona bellerophon Ó Foighil & Gibson, 1984:

Sea-cucumber Galeommatid †

Genus *Waldo*

Waldo arthuri Valentich-Scott, Ó Foighil & Li, 2013¹³

Family Lasaeidae

Genus *Lasaea*

Lasaea adansoni (Gmelin, 1791): Reddish Lepton

Genus *Kellia*

Kellia suborbicularis (Montagu, 1803): Suborbicular Kellyclam †

Genus *Mysella*

Mysella pedroana Dall, 1899: San Pedro Mysella

Genus *Neaeromya*

Neaeromya compressa (Dall, 1899): Compressed Montacutid

Neaeromya rugifera (Carpenter, 1864): Wrinkled Montacutid †

Genus *Rhamphidonta*

Rhamphidonta retifera (Dall, 1899): Netted Kellyclam †

Genus *Rochefortia*

Rochefortia grippi Dall, 1912: Elliptical Mysella

Rochefortia tumida (Carpenter, 1864): Robust Mysella †

Superfamily Glossoidea

Family Kelliellidae

Genus *Kelliella*

Kelliella galathea Knudsen, 1970: Galathea Deep-orb

Family Vesicomomyidae

Genus *Vesicomomya*

Subgenus *Vesicomomya*

Vesicomomya stearnsii (Dall, 1895): Stearns Vesicomomya

Subgenus *Calyptogena*

Vesicomomya gigas (Dall, 1896): Giant Vesicomomya

Vesicomomya kilmeri (F.R. Bernard, 1974): Kilmer Vesicomomya

Vesicomomya pacifica (Dall, 1891): Pacific Vesicomomya

Superfamily Mactroidea

Family Mactridae

Subfamily Mactrinae

Genus *Mactromeris*

Mactromeris polynyma (Stimpson, 1860): Arctic Surfclam †

Genus *Simomactra*

Simomactra falcata (A.A. Gould, 1850): Hooked Surfclam †

¹³ This is “*Divariscintilla*’ sp. A’ of Coan *et al.* (2000). It was formally described by Valentich-Scott *et al.* (2013).

Subfamily Lutrariinae

Genus *Tresus*

Tresus capax (A.A. Gould, 1850): Fat Gaper †

Tresus nuttallii (Conrad, 1837): Pacific Gaper †

Superfamily Sphaerioidea

Family Sphaeriidae ¹⁴

Subfamily Sphaeriinae

Genus *Sphaerium*

Subgenus *Amesoda*

Sphaerium simile (Say, 1816): Grooved Fingernailclam

Sphaerium striatinum (Lamarck, 1818): Striated Fingernailclam

Subgenus *Musculium*

Sphaerium lacustre (Müller, 1774): Lake Fingernailclam

Sphaerium partumeium (Say, 1822): Swamp Fingernailclam

Sphaerium securis (Prime, 1851): Pond Fingernailclam

Subgenus *Herringtonium*

Sphaerium occidentale (Prime, 1853): Herrington Fingernailclam

Sphaerium rhomboideum (Say, 1822): Rhomboid Fingernailclam

Subgenus *Sphaerium*

Sphaerium nitidum Clessin, 1876: Arctic Fingernailclam

Sphaerium patella (A.A. Gould, 1850): Rocky Mountain Fingernailclam ¹⁵

Subgenus unassigned

Sphaerium transversum (Say, 1829): Long Fingernailclam

Subfamily Pisidiinae

Genus *Pisidium*

Pisidium idahoense Roper, 1890: Giant Northern Peaclam

Genus *Cyclocalyx*

Cyclocalyx casertanum (Poli, 1795): Ubiquitous Peaclam

Cyclocalyx compressum (Prime, 1852): Ridgebeak Peaclam

Cyclocalyx ferrugineum (Prime, 1852): Rusty Peaclam ¹⁶

Cyclocalyx lilljeborgi (Clessin, 1886): Lilljeborg Peaclam ¹⁷

Cyclocalyx milium (Held, 1836): Quadrangular Peaclam

Cyclocalyx nitidum (Jenyns, 1832): Shiny Peaclam

Cyclocalyx rotundatum (Prime, 1852): Fat Peaclam ¹⁸

Cyclocalyx subtruncatum (Malm, 1855): Shortended Peaclam

Cyclocalyx variabile (Prime, 1852): Triangular Peaclam

Cyclocalyx ventricosum (Prime, 1852): Globular Peaclam ¹⁹

Genus *Neopisidium*

Neopisidium conventus (Clessin, 1877): Alpine Peaclam

¹⁴ Genera and subgenera follow Lee & Ó Foighil (2003).

¹⁵ Not all species were included in the classification of Lee & Ó Foighil (2003). Placement in the subgenus *Sphaerium* follows Clarke 1981.

¹⁶ Not all species were included in the classification of Lee & Ó Foighil (2003), who used *Cyclocalyx* as a genus rather than subgenus. Because Clarke (1981) regarded this species to be a *Cyclocalyx*, we tentatively put it in *Cyclocalyx*.

¹⁷ *Ibid.*

¹⁸ *Ibid.*

¹⁹ *Ibid.*

Neopisidium insigne (Gabb, 1868): Tiny Peaclam
Neopisidium simplex (Sterki, 1905): Perforated Peaclam ²⁰

Superfamily Tellinoidea

Family Tellinidae

Genus *Tellina*

Subgenus *Angulus*

Tellina carpenteri Dall, 1900: Carpenter Tellin †

Tellina modesta (Carpenter, 1864): Plain Tellin †

Subgenus *Cadella*

Tellina nuculoides (Reeve, 1854): Salmon Tellin †

Subgenus *Peronidia*

Tellina bodegensis Hinds, 1845: Bodega Tellin †

Genus *Macoma*

Subgenus *Macoma*

Macoma brota Dall, 1916: Heavy Tellin

Macoma calcarea (Gmelin, 1791): Chalky Tellin

Macoma elimata Dunnill & Coan, 1968: Beveled Tellin

Macoma lama Bartsch, 1929: Aleutian Tellin †

Macoma lipara Dall, 1916: Sleek Tellin

Macoma moesta (Deshayes, 1855): Flat Tellin †

Macoma golikovi Scarlato & Kafanov, 1988: Oval Tellin †

Subgenus *Psammacoma*

Macoma carlottensis Whiteaves, 1880: Charlotte Macoma

Macoma yoldiformis Carpenter, 1864: Yoldia Macoma †

Subgenus *Rexithaerus*

Macoma expansa Carpenter, 1864: Expanded Macoma †

Macoma secta (Conrad, 1837): White-sand Macoma †

Subgenus undetermined

Macoma balthica (Linnaeus, 1758): Baltic Macoma †

Macoma inquinata (Deshayes, 1855): Pointed Macoma †

Macoma nasuta (Conrad, 1837): Bent-nose Macoma †

Family Psammobiidae

Genus *Gari*

Subgenus *Gobraeus*

Gari californica (Conrad, 1837): California Sunsetclam †

Genus *Nuttallia*

Nuttallia obscurata (Reeve, 1857): Purple Mahogany-clam *†

Family Semelidae

Genus *Semele*

Subgenus *Semele*

Semele rubropicta Dall, 1871: Rose-painted Semele †

²⁰ *Pisidium punctatum* var. *simplex* is treated as a species, separate from *P. punctatum*, which is a synonym of *P. moitessierianum* (Korniushin et al. 2001).

Superfamily Ungulinoidea

Family Ungulinidae

Genus *Diplodonta*

Diplodonta impolita S.S. Berry, 1953: Rough Diplodon †

Superfamily Veneroidea

Family Veneridae

Subfamily Venerinae

Genus *Humilaria*

Humilaria kennerleyi (Reeve, 1863): Kennerley Venus †

Genus *Mercenaria*

Mercenaria mercenaria (Linnaeus, 1758): Northern Quahog *†

Genus *Protothaca*

Subgenus *Leukoma*

Leukoma staminea (Conrad, 1837): Pacific Littleneck ²¹†

Genus *Callithaca*

Callithaca tenerrima (Carpenter in A.A. Gould & Carpenter, 1857):
Thin-shell Littleneck ²²†

Subfamily Clementiinae

Genus *Compsomyax*

Compsomyax subdiaphana (Carpenter, 1864): Milky Venus

Subfamily Callocardiinae

Genus *Nutricula*

Nutricula lordi (W. Baird, 1863): Lord Dwarf-venus †

Nutricula ovalis (Dall, 1902): Oval Dwarf-venus

Nutricula tantilla (A.A. Gould, 1853): Purple Dwarf-venus †

Genus *Saxidomus*

Saxidomus gigantea (Deshayes, 1839): Washington Butterclam †

Subfamily Tapetinae

Genus *Liocyma*

Liocyma fluctosum (A.A. Gould, 1841): Varnished Liocyma

Genus *Venerupis*

Subgenus *Ruditapes*

Venerupis philippinarum (A. Adams & Reeve, 1850):
Japanese Littleneck *†

Subfamily Petricolinae

Genus *Petricola*

Subgenus *Petricola*

Petricola carditoides (Conrad, 1837): Hearty Petricolid †

Genus *Cooperella*

Cooperella subdiaphana (Carpenter, 1864): Shiny Cooperclam

²¹ Carlton (2007) places this species in *Leukoma*, rather than *Protothaca*.

²² Kapner & Bieler (2006) place this species in the genus *Callithaca*, which in the past was treated as a subgenus of *Protothaca*.

Subfamily Turtoniinae

Genus *Turtonia*

Turtonia minuta (Fabricius, 1780): Minute Turton †

Family Neoleptonidae

Genus *Neolepton*

Subgenus *Stohleria*

Neolepton salmonea (Carpenter, 1864): Salmon Bernardclam

Order Myida

Superfamily Myoidea

Family Myidae

Subfamily Myinae

Genus *Mya*

Mya arenaria Linnaeus, 1758: Softshell *†

Mya truncata Linnaeus, 1758: Truncate Softshell †

Genus *Platyodon*

Platyodon cancellatus (Conrad, 1837): Boring Softshell †

Subfamily Cryptomyinae

Genus *Cryptomya*

Cryptomya californica (Conrad, 1837): California Softshell †

Superfamily Pholadoidea

Family Pholadidae

Subfamily Pholadinae

Genus *Zirfaea*

Zirfaea pilsbryi Lowe, 1931: Pilsbry Piddock †

Subfamily Jouannetiinae

Genus *Netastoma*

Netastoma japonicum (Yokoyama, 1920): Unequal Rostrate-piddock †

Netastoma rostratum (Valenciennes, 1846): Equal Rostrate-piddock †

Subfamily Martesiinae

Genus *Penitella*

Penitella conradi Valenciennes, 1846: Abalone Piddock †

Penitella penita (Conrad, 1837): Flat-tip Piddock †

Penitella richardsoni G.L. Kennedy, 1989: Monterey Piddock †

Penitella turnerae Evans & Fisher, 1966: Turner Piddock ²³ †

Genus *Teredo*

Teredo navalis Linnaeus, 1758: Naval Shipworm

Genus *Lyrodus*

Lyrodus takanoshimensis (Roch, in Roch & Moll, 1929):

Takanoshima Shipworm *?

Genus *Bankia*

Bankia setacea (Tryon, 1863): Feathery Shipworm †

Subfamily Xylophaginae

²³ See Kennedy (1989); *P. gabbi* reported from Haida Gwaii were actually *P. turnerae*.

Genus *Xylophaga*
Xylophaga washingtona Bartsch, 1921: Washington Woodeater

Order uncertain
 Superfamily Hiatelloidea
 Family Hiatellidae
 Genus *Hiatella*
Hiatella arctica (Linnaeus, 1767): Arctic Hiatella †
 Genus *Panomya*
Panomya ampla Dall, 1908: Ample Roughmya
Panomya norvegica (Spengler, 1793): Arctic Roughmya
 Genus *Panopea*
Panopea generosa (Gould, 2010): Pacific Geoduck ²⁴†
 Genus *Saxicavella*
Saxicavella pacifica Dall, 1916: Elongate Saxicave †

Superfamily Solenoidea
 Family Solenidae
 Genus *Solen*
 Subgenus *Ensisolen*
Solen sicarius A.A. Gould, 1850: Sickle Jackknife †
 Family Pharidae
 Subfamily Siliquinae
 Genus *Siliqua*
Siliqua alta (Broderip & G.B. Sowerby I, 1829): Alaska Razor †
Siliqua patula (Dixon, 1789): Pacific Razor †

Order Pholadomyida
 Superfamily Pandoroidea
 Family Pandoridae
 Genus *Pandora*
 Subgenus *Heteroclidus*
Pandora punctata Conrad, 1837: Punctate Pandora
 Subgenus *Pandorella*
Pandorella bilirata Conrad, 1855: Bilirate Pandora
Pandorella filosa (Carpenter, 1864): Threaded Pandora
Pandorella glacialis Leach, 1819: Glacial Pandora
Pandorella wardiana A. Adams, 1860: Giant Pandora
 Family Lyonsiidae
 Genus *Lyonsia*
Lyonsia bracteata (A.A. Gould, 1850): Scaly Lyonsia
Lyonsia californica Conrad, 1837: California Lyonsia
 Genus *Entodesma*
Entodesma navicula (A. Adams & Reeve, 1850): Rock Entodesma †

²⁴ Vadopalas *et al.* (2010) resurrected *Panopea generosa* for this species from the synonymy with *P. abrupta*, noting that *P. abrupta* is a separate, fossil species.

- Genus *Mytilimeria*
Mytilimeria nuttalli Conrad, 1837: Bladderclam †
- Superfamily Thracioidea
 Family Thraciidae
 Genus *Thracia*
 Subgenus *Cetothrax*
Thracia condoni Dall, 1909: Smooth Thraciid
 Subgenus *Homoeodesma*
Thracia challisiana Dall, 1915: Pustulose Thraciid
Thracia trapezoides Conrad, 1849: Trapezoidal Thraciid
 Subgenus undetermined
Thracia devexa G.O. Sars, 1878: Sloping Thraciid
Thracia myopsis Möller, 1842: Arctic Thraciid
- Clade Septibranchida
 Superfamily Cuspidarioidea
 Family Cuspidariidae
 Genus *Cuspidaria*
Cuspidaria apodema Dall, 1916: Alaskan Dipperclam
Cuspidaria cowani F.R. Bernard, 1967: Cowan Dipperclam
Cuspidaria glacialis (G.O. Sars, 1878): Glacial Dipperclam
 Genus *Austroneaera*
Austroneaera semipellucida (Kuroda, 1948): North Pacific Austroneaera
 Genus *Bathyneera*
Bathyneera tillamookensis (Dall, 1916): Many-ribbed Cardiomya
 Genus *Cardiomya*
Cardiomya pectinata (Carpenter, 1864): Pectinate Cardiomya
Cardiomya planetica (Dall, 1908): Fine-ribbed Cardiomya
 Genus *Myonera*
Myonera garretti Dall, 1908: One-ribbed Myonera
 Genus *Rhinoclama*
Rhinoclama filatovae (F.R. Bernard, 1979): Filatova Dipperclam
- Superfamily Poromyoidea
 Family Poromyidae
 Genus *Cetomya*
Cetomya malespinae (Ridewood, 1903): Malaspina Poromya
 Genus *Dermatomya*
Dermatomya tenuisconcha (Dall, 1913): Smooth Poromya
- Superfamily Verticordioidea
 Family Verticordiidae
 Genus *Halicardia*
Halicardia perplicata (Dall, 1890): Heavy-ribbed Verticordid
 Family Lyonsiellidae
 Genus *Lyonsiella*
Lyonsiella quaylei F.R. Bernard, 1969: Quayle Verticordid

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