

Freshwater Bivalvia of British Columbia (April 25, 2016)

compiled by Ian Gardiner

Specimens of all species listed below, collected in British Columbia, are held at one or more of the following institutions - Royal British Columbia Museum; Canadian Museum of Nature, Smithsonian Institution. The one exception is *Lampsilis siliquoidea*, photographic documentation for which is to be found in the E-Fauna BC Gallery pages.

Classification at the level of subfamily and above follows Bieler et al (2010).

Classification at the level of genus and below follows Graf & Cummings (2014) for the Unionoida, and Mackie (2007) for the Venerida. In the latter case, a few author citation adjustments have been made, and *Pisidium simplex* is substituted for *Pisidium punctatum* - see Korniushevich et al (2001).

Following the work of Chong et al (2008) and Mock et al (2010), *Anodonta californiensis* and *A. nuttalliana* are considered members of the clade *A. californiensis/nuttalliana*, and *A. kennerlyi* and *A. oregonensis* members of the clade *A. kennerlyi/oregonensis*. The exact species composition of these two clades awaits further study.

The phylogenetic relationships among and within the sphaeriid taxa remain largely unresolved, resulting in a variety of conflicting classifications, particularly at the molecular level (Clewing et al 2013). Hence the use here of Mackie's traditional classification using shell morphology and soft anatomy.

Common names for all species are taken from Turgeon et al (1998).

Order Unionoida

Family Unionidae

Subfamily Unioninae

Anodonta californiensis/nuttalliana clade

Anodonta kennerlyi/oregonensis clade

Subfamily Gonideinae

Gonidea angulata (Lea, 1838)

Western Ridged Mussel

Subfamily Ambleminae

Lampsilis siliquoidea (Barnes, 1823)

Fatmucket

Family Margaritiferidae

Margaritifera falcata (Gould, 1850)

Western Pearlshell

Order Venerida

Family Cyrenidae

Corbicula fluminea (Müller, 1774)

Asian Clam

Family Sphaeriidae

Subfamily Sphaeriinae

<i>Musculium lacustre</i> (Müller, 1774)	Lake Fingernailclam
<i>Musculium partumeium</i> (Say, 1822)	Swamp Fingernailclam
<i>Musculium securis</i> (Prime, 1852)	Pond Fingernailclam
<i>Musculium transversum</i> (Say, 1829)	Long Fingernailclam
<i>Sphaerium nitidum</i> Clessin, 1876	Arctic Fingernailclam
<i>Sphaerium occidentale</i> (Lewis, 1856)	Herrington Fingernailclam
<i>Sphaerium patella</i> (Gould, 1850)	Rocky Mountain Fingernailclam
<i>Sphaerium rhomboideum</i> (Say, 1822)	Rhomboid Fingernailclam
<i>Sphaerium simile</i> (Say, 1817)	Grooved Fingernailclam
<i>Sphaerium striatinum</i> (Lamarck, 1818)	Striated Fingernailclam

Subfamily Pisidiinae

Genus *Pisidium*

Subgenus *Pisidium*

<i>Pisidium idahoense</i> Roper, 1890	Giant Northern Peaclam
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Subgenus *Cyclocalyx*

<i>Pisidium casertanum</i> (Poli, 1791)	Ubiquitous Peaclam
<i>Pisidium compressum</i> Prime, 1852	Ridgebeak Peaclam
<i>Pisidium fallax</i> Sterki, 1896	River Peaclam
<i>Pisidium ferrugineum</i> Prime, 1852	Rusty Peaclam
<i>Pisidium lilljeborgi</i> Clessin, 1886	Lilljeborg Peaclam
<i>Pisidium milium</i> Held, 1836	Quadrangular Peaclam
<i>Pisidium nitidum</i> Jenyns, 1832	Shiny Peaclam
<i>Pisidium rotundatum</i> Prime, 1852	Fat Peaclam
<i>Pisidium subtruncatum</i> Malm, 1855	Shortended Peaclam
<i>Pisidium variabile</i> Prime, 1852	Triangular Peaclam
<i>Pisidium ventricosum</i> Prime, 1851	Globular Peaclam

Subgenus *Neopisidium*

<i>Pisidium conventus</i> Clessin, 1877	Alpine Peaclam
<i>Pisidium insigne</i> Gabb, 1868	Tiny Peaclam
<i>Pisidium simplex</i> Sterki, 1905	Perforated Peaclam

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