

# Queen's University Biological Station Species List: Mollusks

The current list has been compiled by Dr. Ivy Schoepf, [QUBS Research Coordinator](#), in 2018 and includes data gathered by direct observation, collected by researchers at the station and/or assembled using digital distribution maps. The list has been compiled using resources from [The Natural Heritage Information Centre](#) (April 2018); [The IUCN Red List of Threatened Species](#) (February 2018); [iNaturalist](#) and [GBIF](#). Contact [Ivy](#) to report any errors, omissions and/or new sightings.

Based on the aforementioned criteria we can expect to find at least 18 mollusks species (phylum: Mollusca) present at QUBS. Species are reported using their full taxonomy; common name and status, based on whether the species is of global or provincial concern (see Table 1 for details). All species are considered QUBS residents. Two species are considered as introduced (*i*).



**Figure 1.** Not much is known about QUBS resident mollusks, including their global status. From the little information at our disposal we know that at least three species of gastropods, including the striped whitelip (*Webbhelix multilineata*) and two species of bivalves are considered at risk in Ontario. Photo courtesy of [Dr. Grég Bulté](#).

**Table 1. Status classification reported for the mollusks of QUBS.** Global status based on IUCN Red List of Threatened Species rankings. Provincial status based on Ontario Natural Heritage Information Centre SRank.

Global Status	Provincial Status
<b>Extinct (EX)</b>	<b>Presumed Extirpated (SX)</b>
<b>Extinct in the Wild (EW)</b>	<b>Possibly Extirpated (SH)</b>
<b>Critically Endangered (CR)</b>	<b>Critically Imperiled (S1)</b>
<b>Endangered (EN)</b>	<b>Imperiled (S2)</b>
<b>Vulnerable (Vu)</b>	<b>Vulnerable (S3)</b>
Near Threatened (NT)	Apparently Secure (S4)
Least Concern (LC)	Secure (S5)
Data Deficient (DD)	Unrankable - insufficient information (SU)
Not Evaluated (NE)	Unranked - not yet assessed (SNR)
	Conservation Status Rank Not Applicable (SNA)

Class	Order	Family	Scientific Name	Common Name	Global Status	Provincial Status	
Bivalvia	Unionoida	Unionidae	<i>Anodontoides ferussacianus</i>	Cylindrical Papershell	NE	S4	
			<i>Elliptio complanata</i>	Eastern Elliptio	LC	S5	
			<i>Lampsilis radiata</i>	Eastern Lampmussel	LC	S4	
			<i>Lasmigona costata</i>	Flutedshell	NE	S5	
			<i>Ligumia nasuta</i>	Eastern Pondmussel	Vu	S1	
			<i>Obovaria olivaria</i>	Hickorynut	LC	S1	
			<i>Strophitus undulatus</i>	Creeper	NE	S5	
	Veneroida	Dreissenidae	<i>Dreissena polymorpha</i>	Zebra Mussel	LC (i)	SNA	
	Architaenioglossa	Viviparidae	<i>Viviparus georgianus</i>	Banded Mysterysnail	NE	SNA	
Gastropoda	Basommatophora	Lymnaeidae	<i>Bulimnaea megasoma</i>	Showy Pond-Snail	LC	S3	
			<i>Lymnaea stagnalis</i>	Great Pond-Snail	LC	S5	
	Hygrophila	Planorbidae	<i>Gyraulus parvus</i>	Ash Gyro	LC	S5	
			Arionidae	<i>Arion subfuscus</i>	Dusky Slug	LC (i)	SNA
	Stylommatophora	Cionellidae	<i>Cochlicopa lubrica</i>	Slippery Moss-Snail	NE	S5	
			Discidae	<i>Anguispira alternata</i>	Flamed Tigersnail	NE	S5
			Philomycidae	<i>Megapallifera mutabilis</i>	Changeable Mantleslug	NE	S1
				<i>Philomycus togatus</i>	Toga Mantleslug	NE	S4
	Polygyridae	<i>Webbhelix multilineata</i>	Striped Whitelip	NE	S2		