

Queen’s University Biological Station Species List: Other Animals

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 put together 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. Because the animal kingdom comprises incredibly diverse phyla, which includes thousands of species, to help the reader navigate their staggering diversity, I have broken it down into several phylum-, order- and class-based sub-lists. The current list is, therefore, not comprehensive and includes only on a subset of animals, which have only a few representative members at QUBS. For information regarding other phyla, please consult more specific lists published on [our website](#).



Figure 1. North American leeches (*Macrobdeella decora*) can be quite common in freshwater marshes at QUBS. While they are sanguivorous, they do little harm to their host, typically dropping off after consuming a blood meal. Photo courtesy of [Dr. Grég Bulté](#)

Based on the aforementioned criteria we can expect to find 14 additional animal species (kingdom: Animalia) present at QUBS. These include eight annelids (phylum: Annelida); three platyhelminths (phylum: Platyhelminthes); one bryozoan (phylum: Bryozoa); one cnidarian (phylum: Cnidaria); and one rotiferan (phylum: Rotifera). All species are considered to be QUBS residents. 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).

Table 1. Status classification reported for the other animals 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
Extinct (EX)	Presumed Extirpated (SX)
Extinct in the Wild (EW)	Possibly Extirpated (SH)
Critically Endangered (CR)	Critically Imperiled (S1)
Endangered (EN)	Imperiled (S2)
Vulnerable (Vu)	Vulnerable (S3)
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)

Phylum	Class	Order	Family	Scientific Name	Common Name	Global Status	Provincial Status
Annelida	Clitellata	Arhynchobdellida	Hirudinidae	<i>Macrobdella decora</i>	North American Leech	NE	SNR
		Crassiclitellata	Lumbricidae	<i>Lumbricus rubellus</i>	Blood Worm	NE	SNR
				<i>Lumbricus terrestris</i>	Dew Worm	NE	SNR
		Enchytraeida	Randiellidae	<i>Dero obtusa</i>		NE	SNR
				<i>Stylaria fossularis</i>		NE	SNR
Haplotaxida	Naididae	<i>Chaetogaster diaphanus</i>		NE	SNR		
		<i>Slavina appendiculata</i>		NE	SNR		
		<i>Stylaria lacustris</i>		NE	SNR		
Bryozoa	Phylactolaemata	Plumatellida	Pectinatellidae	<i>Pectinatella magnifica</i>	Magnificent Bryozoan	NE	S5
Cnidaria	Hydrozoa	Anthoathecata	Hydridae	<i>Hydra vulgaris</i>	Common Hydra	NE	SNR
Platyhelminthes	Trematoda	Diplostomida	Diplostomidae	<i>Diplostomum baeri</i>		NE	SNR
				<i>Tylodelphys scheuringi</i>		NE	SNR
		Plagiorchiida	Echinostomatidae	<i>Echinostoma trivolvis</i>		NE	SNR
Rotifera	Eurotatoria	Ploima	Brachionidae	<i>Keratella cochlearis</i>		NE	SNR