

# Queen’s University Biological Station Species List: Slime Molds

The current list has been compiled by [Richard Aaron](#), a naturalist and educator from Toronto, who has been running the Fabulous Fall Fungi workshop at QUBS between 2009 and 2019. Dr. Ivy Schoepf, [QUBS Research Coordinator](#), edited the list in 2020 to include full taxonomy and information regarding species’ status using resources from [The Natural Heritage Information Centre](#) (April 2018) and [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 a total of 33 species of slime molds (kingdom: Protozoa, phylum: Mycetozoa) 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 unless otherwise stated.



**Figure 1.** One of the most commonly encountered slime mold at QUBS is the Dog Vomit Slime Mold (*Fuligo septica*). Slime molds are unique in the way that they do not have cell walls. Unlike fungi, they also phagocytose their food before they digest it. Photo courtesy of Mark Conboy.

**Table 1. Status classification reported for the amphibians 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
Myxomycetes	Liceales	Cribrariaceae	<i>Cribraria cancellata</i>	NA	NE	SNR
		Tubiferaceae	<i>Lycogala epidendrum</i>	Wolf's Milk	NE	SNR
			<i>Lycogala flavofuscum</i>	NA	NE	SNR
			<i>Reticularia lycoperdon</i>	False Puffball	NE	SNR
			<i>Reticularia splendens</i>	NA	NE	SNR
			<i>Tubifera ferruginosa</i>	Red Raspberry Slime Mold	NE	SNR
	Physarales	Didymiaceae	<i>Mucilago crustacea</i>	Dog Sick Slime Mold	NE	SNR
		Physaraceae	<i>Fuligo candida</i>	NA	NE	SNR
			<i>Fuligo leviderma</i>	NA	NE	SNR
			<i>Fuligo septica</i>	Dog Vomit Slime Mold	NE	SNR
			<i>Leocarpus fragilis</i>	Insect-egg Slime	NE	SNR
			<i>Physarum bivalve</i>	NA	NE	SNR
			<i>Physarum leucophaeum</i>	NA	NE	SNR
			<i>Physarum leucopus</i>	NA	NE	SNR
			<i>Willkommllangea reticulata</i>	NA	NE	SNR
		Stemonitales	Stemonitidaceae	<i>Brefeldia maxima</i>	Tapioca Slime Mold	NE
	<i>Stemonitis fusca</i>			NA	NE	SNR
	<i>Stemonitis pallida</i>			NA	NE	SNR
	<i>Stemonitopsis typhina</i>			NA	NE	SNR
	Trichiales	Arcyriaceae	<i>Arcyria carnea</i>	NA	NE	SNR
			<i>Arcyria denudata</i>	Carnival Candy Slime Mold	NE	SNR
			<i>Arcyria incarnata</i>	NA	NE	SNR
		Trichiaceae	<i>Arcyria obvelata</i>	NA	NE	SNR
			<i>Hemitrichia clavata</i>	NA	NE	SNR
			<i>Hemitrichia serpula</i>	Pretzel Slime Mold	NE	SNR
			<i>Metatrichia vesparium</i>	Wasp's Nest Slime Mold	NE	SNR
			<i>Trichia botrytis</i>	NA	NE	SNR
<i>Trichia decipiens</i>			NA	NE	SNR	
<i>Trichia favoginea</i>			NA	NE	SNR	
<i>Trichia scabra</i>	NA	NE	SNR			
<i>Trichia varia</i>	NA	NE	SNR			
<i>Trichia verrucosa</i>	NA	NE	SNR			
Protosteliomycetes	Ceratiomyxales	Ceratiomyxaceae	<i>Ceratiomyxa fruticulosa</i>	Honeycomb Coral Slime Mold	NE	SNR