

Queen's University Biological Station Species List: Ants, Bees and Wasps

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.

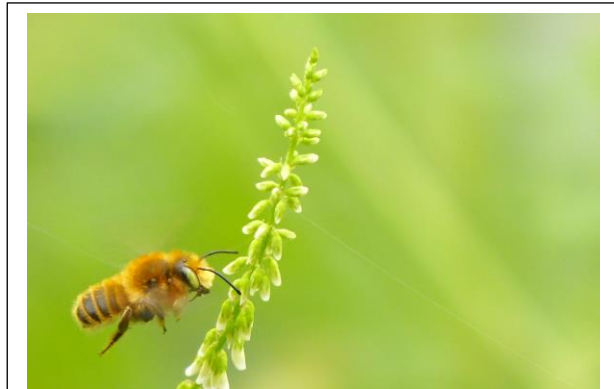


Figure 1. Square-legged leafcutter bees (*Megachile latimanus*) are one of the many important pollinators seen at QUBS. Photo courtesy of Mark Conboy.

Based on the aforementioned criteria we can expect to find 37 species of hymenopterans (class: Insecta, Order: Hymenoptera) present at QUBS. All species are considered QUBS residents unless otherwise stated. Four species are considered to be introduced (*i*). 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 ants, bees and wasps 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)

Family	Scientific Name	Common Name	Global Status	Provincial Status
Apidae	<i>Apis mellifera</i>	European Honey Bee (<i>i</i>)	NE	SNA
	<i>Bombus affinis</i>	Rusty-patched Bumble Bee	CR	S1
	<i>Bombus bimaculatus</i>	Two-spotted Bumble Bee	LC	S5
	<i>Bombus bohemicus</i>	Gypsy Cuckoo-Bee	DD	S1
	<i>Bombus borealis</i>	Northern Amber Bumble Bee	LC	S5
	<i>Bombus griseocollis</i>	Brown-belted Bumble Bee	LC	S5
	<i>Bombus impatiens</i>	Common Eastern Bumble Bee	LC	S5
	<i>Bombus perplexus</i>	Perplexing Bumble Bee	LC	S5
	<i>Bombus ternarius</i>	Tricoloured Bumble Bee	LC	S5
	<i>Bombus terricola</i>	Yellow-banded Bumble Bee	Vu	S3
	<i>Bombus vagans</i>	Half-black Bumble Bee	LC	S5
	<i>Xylocopa virginica</i>	Eastern Carpenter Bee	NE	S4
Diprionidae	<i>Diprion similis</i>	Introduced Pine Sawfly (<i>i</i>)	NE	SNA
Formicidae	<i>Amblyopone pallipes</i>	Cloaked Dracula Ant	NE	S4
	<i>Aphaenogaster tennesseensis</i>	Tennessee Funnel Ant	NE	S4
	<i>Camponotus novaeboracensis</i>	New York Carpenter Ant	NE	S5
	<i>Camponotus pennsylvanicus</i>	Eastern Black Carpenter Ant	NE	S5
	<i>Crematogaster cerasi</i>	Cherry Acrobat Ant	NE	S5
	<i>Lasius alienus</i>	Cornfield Ant	NE	S5
	<i>Lasius nearcticus</i>	New World Field Ant	NE	S4
	<i>Lasius neoniger</i>	Labor Day Field Ant	NE	S5
	<i>Myrmecina americana</i>	American Little Ant	NE	S4
	<i>Myrmica punctiventris</i>	Punctured Ant	NE	S4
Halictidae	<i>Agapostemon virescens</i>	Bicolored Striped Sweat Bee	NE	S5
	<i>Augochlora pura</i>	Pure Green Sweat Bee	NE	S5
	<i>Augochlorella aurata</i>	Golden Sweat Bee	NE	S5
Megachilidae	<i>Megachile latimanus</i>	Square-legged Leafcutter Bee	NE	S5
	<i>Megachile melanophaea</i>	Black-and-Gray Leafcutter	NE	S5
	<i>Megachile mendica</i>	Flat-tailed Leaf-cutter Bee	NE	S5
Pelecinidae	<i>Pelecinus polyturator</i>	American Pelecinid Wasp	NE	SNA
Sphecidae	<i>Sphex ichneumoneus</i>	Great Golden Digger Wasp	NE	SNA
Vespidae	<i>Dolichovespula arctica</i>	Parasitic Yellowjacket	NE	S3
	<i>Dolichovespula maculata</i>	Bald-faced Yellowjacket	NE	S4
	<i>Polistes dominula</i>	European Paper Wasp (<i>i</i>)	NE	SNA
	<i>Polistes fuscatus</i>	Dark Paper Wasp	NE	S4
	<i>Vespa crabro</i>	European Hornet (<i>i</i>)	NE	SNA
	<i>Vespula maculifrons</i>	Eastern Yellowjacket	NE	S4