

# Queen's University Biological Station Species List: Arachnids

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 a total of 165 species of arachnids (class: Arachnida) present at QUBS, but many more are likely to be present. 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. Seven species are considered to be introduced (*i*).



**Figure 1.** QUBS protects a wide range of arachnids, including several species of jumping spiders. Jumping spiders belong to the family Salticidae. Approximately 6080 species (13% of all known spiders) have been identified as belonging to this family, making it the largest spider family worldwide. Photo courtesy of [Dr. Grég Bulté](#).

**Table 1. Status classification reported for the arachnids 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)



**Figure 2.** Ticks are recognized ectoparasites, feeding on the blood of a variety of vertebrates. Some species are also reservoirs for important human-related diseases, such as Lyme. Researchers associated with [Prof. Rob Colautti](#)'s lab at Queen's University are studying the spread of Lyme across a multitude of species at QUBS. This research is part of a recently-established Pan-Canadian Research Network on Lyme Disease sponsored by the Canadian Institutes of Health Research (CIHR) and the Government of Canada. Photo courtesy of [Dr. Ivana Schoepf](#).

Order	Family	Scientific Name	Common Name	Global Status	Provincial Status
Araneae	Agelenidae	<i>Agelenopsis utahana</i>	Utah Grass Funnelweaver	NE	SU
		<i>Coras juvenilis</i>	Lesser Spurred Woodland Funnelweaver	NE	S4
		<i>Coras lamellosus</i>	Contrasting Spurred Woodland Funnelweaver	NE	S4
		<i>Wadotes hybridus</i>	Greater Woodland Funnelweaver	NE	S4
	Amaurobiidae	<i>Callobius bennetti</i>	Bennett's Laceweaver	NE	S4
	Araneidae	<i>Araneus diadematus</i>	Cross Orbweaver ( <i>i</i> )	NE	SNA
		<i>Araneus marmoreus</i>	Marbled Orbweaver	NE	S5
		<i>Araniella displicata</i>	Six-spotted Yellow Orbweaver	NE	S5
		<i>Argiope aurantia</i>	Yellow Garden Orbweaver	NE	S5
		<i>Argiope trifasciata</i>	Banded Garden Orbweaver	NE	S5
		<i>Cyclosa conica</i>	Common Trashline Orbweaver	NE	S5
		<i>Larinioides cornutus</i>	Furrow Orbweaver	NE	S5
		<i>Mangora gibberosa</i>	Lined Orbweaver	NE	S4
		<i>Mangora placida</i>	Tuft-legged Orbweaver	NE	S4
		<i>Neoscona arabesca</i>	Arabesque Orbweaver	NE	S5
	Atypidae	<i>Sphodros niger</i>	Black Purseweb Tarantula	NE	S3
	Clubionidae	<i>Clubiona chippewa</i>	Chippewa Sac Spider	NE	S4
		<i>Clubiona kastoni</i>	Kaston's Sac Spider	NE	S4
		<i>Clubiona obesa</i>	Trilobed Sac Spider	NE	S5
		<i>Elaver excepta</i>	Spiny Sac Spider	NE	S4
	Corinnidae	<i>Castianeira cingulata</i>	Band-legged Antmimic Corinne Spider	NE	S4
	Dictynidae	<i>Dictyna minuta</i>	Tiny Thread Meshweaver	NE	S5
		<i>Emblyna sublata</i>	Wide Ribbon Meshweaver	NE	S5
		<i>Lathys foxi</i>	Fox's Backspined Meshweaver	NE	S4
	Gnaphosidae	<i>Drassyllus depressus</i>	Common Hitchhiking Ground Spider	NE	S5
		<i>Drassyllus eremitus</i>	Solitary Hitchhiking Ground Spider	NE	S4
		<i>Drassyllus niger</i>	Hooded Hitchhiking Ground Spider	NE	S5
		<i>Haplodrassus bicornis</i>	Excavated Simple Ground Spider	NE	S4
		<i>Haplodrassus hiemalis</i>	Winter Simple Ground Spider	NE	S5
		<i>Herpyllus ecclesiasticus</i>	Parson Ground Spider	NE	S4
		<i>Sergiolus capulatus</i>	Eastern Patterned Antmimic Ground Spider	NE	S4
		<i>Zelotes fratris</i>	Common Preening Ground Spider	NE	S5
	Hahniidae	<i>Cicurina arcuata</i>	Curved Meshweaver	NE	S4
		<i>Cicurina brevis</i>	Small-eared Meshweaver	NE	S4
		<i>Cicurina itasca</i>	Stout Meshweaver	NE	S4
		<i>Cicurina placida</i>	Big-eyed Meshweaver	NE	S4
		<i>Neoantistea magna</i>	Thick-hooked Comb-tailed Spider	NE	S5
	Linyphiidae	<i>Centromerus cornupalpis</i>	Eastern Spurred Sheetweaver	NE	SU
		<i>Centromerus denticulatus</i>	Toothy Spurred Sheetweaver	NE	SU
		<i>Centromerus persolutus</i>	Thin-faced Spurred Sheetweaver	NE	SU
<i>Ceraticelus atriceps</i>		Dark Armoured Money Spider	NE	S4	
<i>Ceraticelus fissiceps</i>		Bicolored Armoured Money Spider	NE	SU	
<i>Collinsia plumosa</i>		Feathered Money Spider	NE	S4	
<i>Erigone arctophylacis</i>		Northern Watchman Money Spider	NE	SU	
<i>Erigone atra</i>		Black Money Spider	NE	S4	
<i>Gnathonaroides pedalis</i>		Footed Money Spider	NE	SU	
<i>Kaestneria pullata</i>		Dark Sheetweaver	NE	S4	
<i>Macrargus multesimus</i>	Trifling Sheetweaver	NE	SU		

Order	Family	Scientific Name	Common Name	Global Status	Provincial Status
Araneae	Linyphiidae	<i>Maso sundevalli</i>	Sundevall's Money Spider	NE	S4
		<i>Mermessus maculatus</i>	Spotted Harvester Money Spider	NE	S4
		<i>Mermessus tridentatus</i>	Three-toothed Harvester Money Spider	NE	S4
		<i>Mermessus trilobatus</i>	Common Harvester Money Spider	NE	S4
		<i>Microneta viaria</i>	Roadside Sheetweaver	NE	SU
		<i>Neriere radiata</i>	Filmy Dome Sheetweaver	NE	S4
		<i>Neriere variabilis</i>	Owl-faced Dome Sheetweaver	NE	SU
		<i>Pityohyphantes costatus</i>	Common Hammock Sheetweaver	NE	SU
		<i>Pocadicnemis americana</i>	American Hairy-legged Money Spider	NE	S4
		<i>Satilatlas marxi</i>	Marx's Atlas Money Spider	NE	S4
		<i>Scotinotylus pallidus</i>	Pale Money Spider	NE	S4
		<i>Tapinocyba minuta</i>	Little Humble Money Spider	NE	S4
		<i>Tenuiphantes zebra</i>	Zebra Thin Sheetweaver	NE	S4
		<i>Walckenaeria directa</i>	Counterpart Erudite Money Spider	NE	S4
		<i>Walckenaeria exigua</i>	Small Horned Erudite Money Spider	NE	S4
		<i>Wubana pacifica</i>	Dark Unicorn Sheetweaver	NE	SU
		Liocranidae	<i>Agroeca ornata</i>	Ornated Spiny-legged Spider	NE
	<i>Agroeca pratensis</i>		Slender Spiny-legged Spider	NE	S5
	Lycosidae	<i>Gladicosa gulosa</i>	Drumming Sword Wolf Spider	NE	S5
		<i>Hogna frondicola</i>	Broad-banded Wolf Spider	NE	S5
		<i>Pardosa moesta</i>	Shiny Thin-legged Wolf Spider	NE	S5
		<i>Pirata piraticus</i>	Common Pirate Wolf Spider	NE	S5
		<i>Pirata praedo</i>	Margined Pirate Wolf Spider	NE	S5
		<i>Piratula insularis</i>	Sphagnum Pirate Wolf Spider	NE	S5
		<i>Piratula minuta</i>	Small Pirate Wolf Spider	NE	S5
		<i>Schizocosa saltatrix</i>	Dark-banded Split Wolf Spider	NE	S5
		<i>Trochosa ruricola</i>	Eurasian Litter Wolf Spider ( <i>i</i> )	NE	SNA
	<i>Trochosa terricola</i>	Common Litter Wolf Spider	NE	S5	
	Mimetidae	<i>Ero leonina</i>	Hooked Tuberculate Pirate Spider	NE	SU
		<i>Mimetus notius</i>	Reticulated Pirate Spider	NE	SU
		<i>Mimetus puritanus</i>	Common Pirate Spider	NE	SU
	Philodromidae	<i>Philodromus cespitum</i>	Common Running Crab Spider	NE	S5
		<i>Philodromus praelustris</i>	Resplendant Running Crab Spider	NE	S4
		<i>Philodromus rufus</i>	White-striped Running Crab Spider	NE	S5
		<i>Thanatus striatus</i>	Hairy Running Crab Spider	NE	S4
		<i>Tibellus oblongus</i>	Slender Running Crab Spider	NE	S5
	Pholcidae	<i>Pholcus phalangioides</i>	Long-bodied Cellar Spider ( <i>i</i> )	NE	SNA
	Phrurolithidae	<i>Phrurotimpus alarius</i>	Dwarf Antmimic Corinne Spider	NE	S5
		<i>Phrurotimpus borealis</i>	Greater Antmimic Corinne Spider	NE	S5
		<i>Scotinella britcheri</i>	Britcher's Antmimic Corinne Spider	NE	SU
		<i>Scotinella minnetonka</i>	Midwestern Antmimic Corinne Spider	NE	S4
Pisauridae	<i>Dolomedes scriptus</i>	Eastern Fishing Spider	NE	S5	
	<i>Dolomedes striatus</i>	Striped Fishing Spider	NE	S5	
	<i>Dolomedes tenebrosus</i>	Terrestrial Fishing Spider	NE	S5	
	<i>Dolomedes triton</i>	Six-spotted Fishing Spider	NE	S5	
	<i>Pisaurina mira</i>	Common Nurseryweb Spider	NE	S5	
Salticidae	<i>Eris militaris</i>	Bronze Jumping Spider	NE	S5	
	<i>Evarcha hoyi</i>	Hoy's Knobbed Jumping Spider	NE	S4	
	<i>Habronattus viridipes</i>	Green-legged Ornamented Jumping Spider	NE	S4	

Order	Family	Scientific Name	Common Name	Global Status	Provincial Status	
Araneae	Salticidae	<i>Hentzia mitrata</i>	Golden Long-jawed Jumping Spider	NE	S4	
		<i>Maevia inclemens</i>	Dimorphic Jumping Spider	NE	SU	
		<i>Marpissa formosa</i>	Short-bellied Slender Jumping Spider	NE	SU	
		<i>Naphrys pulex</i>	Common Cryptic Jumping Spider	NE	S4	
		<i>Neon nelli</i>	Nell's Tiny Jumping Spider	NE	S4	
		<i>Pelegrina galathea</i>	Peppered White-cheeked Jumping Spider	NE	S4	
		<i>Pelegrina proterva</i>	Common White-cheeked Jumping Spider	NE	S5	
		<i>Phidippus audax</i>	Bold Tufted Jumping Spider	NE	SU	
		<i>Phidippus whitmani</i>	Whitman's Tufted Jumping Spider	NE	S4	
		<i>Platycryptus undatus</i>	Ondulated Flattened Jumping Spider	NE	SU	
		<i>Salticus scenicus</i>	Zebra Jumping Spider ( <i>i</i> )	NE	SNA	
	<i>Tutelina harti</i>	Hart's Jumping Spider	NE	SU		
	<i>Tutelina similis</i>	Thick-spined Jumping Spider	NE	SU		
	Tetragnathidae	<i>Leucauge venusta</i>	Orchard Long-jawed Spider	NE	S4	
		<i>Pachygnatha dorothea</i>	Dorothea's Thick Long-jawed Spider	NE	S4	
		<i>Tetragnatha elongata</i>	Elongated Long-jawed Spider	NE	S4	
		<i>Tetragnatha straminea</i>	Contrasted Long-jawed Spider	NE	S4	
			<i>Tetragnatha viridis</i>	Green Long-jawed Spider	NE	SU
	Theridiidae	<i>Asagena americana</i>	Two-spotted Cobweaver	NE	S2	
		<i>Crustulina altera</i>	Eastern Dimpled Widow Spider	NE	SU	
		<i>Dipoena nigra</i>	Common Highbrowed Cobweaver	NE	S5	
		<i>Enoplognatha caricis</i>	Leaf-backed Long-jawed Cobweaver	NE	SU	
		<i>Enoplognatha ovata</i>	Polymorphic Long-jawed Cobweaver ( <i>i</i> )	NE	SNA	
		<i>Latrodectus variolus</i>	Northern Black Widow Spider	NE	S5	
		<i>Neospintharus trigonum</i>	Horned Parasitic Cobweaver	NE	SU	
		<i>Parasteatoda tepidariorum</i>	Common House Cobweaver ( <i>i</i> )	NE	SNA	
		<i>Pholcomma hirsutum</i>	Common Armored Cobweaver	NE	SU	
		<i>Robertus riparius</i>	Bent Immaculate Cobweaver	NE	S5	
		<i>Steatoda triangulosa</i>	Triangulate Comb-Foot ( <i>i</i> )	NE	SNA	
		<i>Yunohamella lyrica</i>	Lyric Cobweaver	NE	SU	
		Theridiosomatidae	<i>Theridiosoma gemmosum</i>	Common Eastern Ray Spider	NE	S4
		Thomisidae	<i>Bassaniana utahensis</i>	Utah Bark Crab Spider	NE	S5
	<i>Mecaphesa asperata</i>		Northern Flower Crab Spider	NE	S4	
<i>Misumena vatia</i>	Goldenrod Crab Spider		NE	S5		
<i>Ozyptila distans</i>	Distant Leaf litter Crab Spider		NE	SU		
<i>Xysticus bicuspis</i>	Two-toothed Ground Crab Spider		NE	SU		
<i>Xysticus elegans</i>	Elegant Ground Crab Spider		NE	S5		
<i>Xysticus fraternus</i>	Brotherly Ground Crab Spider		NE	S4		
Uloboridae	<i>Uloborus glomosus</i>	Feather-legged Triangleweaver	NE	S4		
Ixodida	Ixodidae	<i>Amblyomma americanum</i>	Lone Star Tick	NE	SNR	
		<i>Dermacentor variabilis</i>	American Dog Tick	NE	SNR	
		<i>Ixodes scapularis</i>	Blacklegged Tick	NE	SNR	
Mesostigmata	Laelapidae	<i>Gaeolaelaps aculeifer</i>		NE	SNR	
Opiliones	Phalangiidae	<i>Oligolophus tridens</i>		NE	SNR	
	Sclerosomatidae	<i>Leiobunum ventricosum</i>		NE	SNR	
		<i>Leiobunum vittatum</i>	Eastern Harvestman	NE	SNR	
Prostigmata	Eriophyiidae	<i>Aceria ferruginea</i>	Beech Gall Mite	NE	SNR	
		<i>Aceria fraxinivora</i>	Cauliflower Gall Mite	NE	SNR	

Order	Family	Scientific Name	Common Name	Global Status	Provincial Status
Prostigmata	Eriophyidae	<i>Eriophyes fraxinivorus</i>	Ash Flower Gall Mite	NE	SNR
		<i>Vasates aceriscrumena</i>	Maple Spindle Gall Mite	NE	SNR
		<i>Vasates quadripedes</i>	Maple Bladdergall Mite	NE	SNR
Sarcoptiformes	Chamobatidae	<i>Chamobates cuspidatus</i>		NE	SNR
	Euphthiracaridae	<i>Rhysotritia ardua</i>		NE	SNR
	Nothridae	<i>Nothrus anauniensis</i>		NE	SNR
	Oppiidae	<i>Oppia nitens</i>		NE	SNR
	Oribatulidae	<i>Oribatula tibialis</i>		NE	SNR
	Parakalummidae	<i>Neoribates quadrisetosus</i>		NE	SNR
	Phthiracaridae	<i>Atropacarus striculus</i>		NE	SNR
	Punctoribatidae	<i>Punctoribates punctum</i>		NE	SNR
Trombidiformes	Tectocepheidae	<i>Tectocepheus velatus</i>		NE	SNR
		<i>Arrenurus apetirolatus</i>		NE	SNR
		<i>Arrenurus cheboyganensis</i>		NE	SNR
		<i>Arrenurus fissicornis</i>		NE	SNR
		<i>Arrenurus manubriator</i>		NE	SNR
	<i>Arrenurus marshallae</i>		NE	SNR	
	<i>Arrenurus wardi</i>		NE	SNR	
Krendowskiidae	<i>Krendowskia similis</i>		NE	SNR	
Trombidiidae	<i>Trombidium holosericeum</i>		NE	SNR	