

Queen's University Biological Station Species List: Ferns

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 current list of ferns is based on a list originally compiled by Mark A. Conboy and Jim S. Pringle in 2011 and has been updated 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 vascular plants (phylum: Tracheophyta) comprise an incredibly diverse phylum, which includes thousands of species, to help the reader navigate their staggering diversity, I have broken it down into several class-based sub-lists. The current list is, therefore, not comprehensive and focuses only on a subset of vascular plants, that of the ferns. If you wish to find information regarding horsetails, clubmosses & firmosses, adder's-tongues, moonworts & grape-ferns, conifers and flowering plants, please consult their very own lists published on [our website](#).

Based on the aforementioned criteria we can expect to find 40 fern species (class: Polypodiopsida) present at QUBS. All species are considered 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 ferns 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)

Order	Family	Scientific Name	Common Name	Global Status	Provincial Status		
Osmundales	Osmundaceae	<i>Osmunda claytoniana</i>	Interrupted Fern	NE	S5		
		<i>Osmunda regalis</i>	Royal Fern	NE	S5		
		<i>Osmunda spectabilis</i>	American Royal Fern	LC	S5		
		<i>Osmundastrum cinnamomeum</i>	Cinnamon Fern	NE	S5		
Aspleniaceae	Aspleniaceae	<i>Asplenium platyneuron</i>	Ebony Spleenwort	NE	S4		
		<i>Asplenium rhizophyllum</i>	Walking Fern	NE	S4		
		<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	NE	S4		
Athyriaceae	Athyriaceae	<i>Athyrium angustum</i>	Northern Lady Fern	NE	S5		
		<i>Athyrium filix-femina</i>	Common Lady Fern	NE	S5		
		<i>Deparia acrostichoides</i>	Silvery Glade Fern	NE	S4		
Blechnaceae	Blechnaceae	<i>Woodwardia virginica</i>	Virginia Chainfern	NE	S4		
Cystopteridaceae	Cystopteridaceae	<i>Cystopteris bulbifera</i>	Bulblet Fern	NE	S5		
		<i>Cystopteris fragilis</i>	Fragile Fern	NE	S4		
		<i>Cystopteris tenuis</i>	Brittle Bladderfern	NE	S4		
		<i>Gymnocarpium dryopteris</i>	Northern Oak Fern	NE	S5		
Dennstaedtiaceae	Dennstaedtiaceae	<i>Gymnocarpium robertianum</i>	Limestone Oak Fern	NE	S2		
		<i>Dennstaedtia punctilobula</i>	Hay-scented Fern	NE	S4		
Pteridium aquilinum	Pteridium aquilinum	<i>Pteridium aquilinum</i>	Common Bracken	NE	S5		
		<i>Diplaziosporangium pycnocarpus</i>	Narrow-leaved Glade Fern	NE	S4		
Polypodiales	Dryopteridaceae	<i>Dryopteris carthusiana</i>	Spinulose Wood Fern	NE	S5		
		<i>Dryopteris clintoniana</i>	Clinton's Wood Fern	NE	S4		
		<i>Dryopteris cristata</i>	Crested Wood Fern	NE	S5		
		<i>Dryopteris fragrans</i>	Fragrant Wood Fern	NE	S4		
		<i>Dryopteris goldiana</i>	Goldie's Wood Fern	NE	S4		
		<i>Dryopteris intermedia</i>	Evergreen Wood Fern	NE	S5		
		<i>Dryopteris marginalis</i>	Marginal Wood Fern	NE	S5		
		<i>Polystichum acrostichoides</i>	Christmas Fern	NE	S5		
		Onocleaceae	Onocleaceae	<i>Matteuccia struthiopteris</i>	Ostrich Fern	NE	S5
				<i>Onoclea sensibilis</i>	Sensitive Fern	NE	S5
		Polypodiaceae	Polypodiaceae	<i>Polypodium virginianum</i>	Rock Polypody	NE	S5
		Pteridaceae	Pteridaceae	<i>Adiantum pedatum</i>	Northern Maidenhair Fern	NE	S5
				<i>Cryptogramma stelleri</i>	Steller's Rockbrake	NE	S4
<i>Pellaea atropurpurea</i>	Purple-stem Cliffbrake			NE	S3		
<i>Pellaea glabella</i>	Smooth Cliffbrake			NE	S4		
Thelypteridaceae	Thelypteridaceae	<i>Phegopteris connectilis</i>	Long Beech Fern	NE	S5		
		<i>Phegopteris hexagonoptera</i>	Broad Beech Fern	NE	S3		
		<i>Thelypteris noveboracensis</i>	New York Fern	NE	S4		
		<i>Thelypteris palustris</i>	Marsh Fern	NE	S5		
Woodsiaceae	Woodsiaceae	<i>Woodsia ilvensis</i>	Rusty Woodsia	NE	S5		
		<i>Woodsia obtusa</i>	Blunt Woodsia	NE	S1		