



## British Columbia Conservation Data Centre

### 2024 B.C. Conservation Status Rank Review and Changes

#### Vascular Plants

**Additions:** Eleven vascular plants were added to the B.C. flora. Of the 11, 3 are native species, with two species, straight-seed mudwort (*Elatine orthosperma*), and clustered burred (*Sparganium glomeratum*) potentially being native species. Six Exotic species were added.

Of those native species, one is an overlooked hybrid, hybrid columbine (*Aquilegia x miniana*), a hybrid between *A. formosa* and *A. flavescens*. There were also two native species of *Erigeron* added to the B.C. flora from the Elk Valley, Lackschewitz's fleabane (*E. lackschewitzii*), reidentified from *E. ochroleucus*, and dwarf fleabane (*E. radicans*), both of which are now B.C. CDC Red-listed.

Among the Exotics now included in the B.C. flora are Hjelmqvist's cotoneaster (*Cotoneaster hjelmqvistii*), now known from Ucluelet, Tofino, and an uninhabited island in the Fraser River near Agassiz, and diploid timothy (*Phleum bertolonii*), now established in at least five sites in Metro Vancouver.

**Excluded:** Nine vascular plants were excluded from the B.C. flora. Of the 9, 7 were due to reidentification, including tiny sunress (*Boechera paupercula*), because there are no longer any specimens identified as this species in B.C. in the herbaria. Monardella (*Monardella odoratissima*) was excluded due to uncertain provenance in B.C.

**Taxonomic/Name Changes:** Eleven changes in taxonomic classification and nomenclature were made this year to vascular plants. Three-flowered waterwort (*Elatine rubella*) was renamed *E. triandra*, to better reflect the morphology observed. Five species of *Lupinus* were updated to reflect the taxonomic treatment published in Volume 11 of the Flora of North America.

Two English name changes were also made this year.

**Status Assessment:** Only one vascular plant species had a change to its provincial conservation status rank this year. This change was due to a new interpretation of existing information. Sulphur lupine (*Lupinus sulphureus* var. *sulphureus*) was changed to SU due to conflicting views on the species provenance due to disjunction beyond dispersal capacity in pastures with a long history of grazing activity.

#### Lichens

**Additions:** Nine lichens were added to the B.C. CDC list. Eight of these are reported from Spribille et al. 2020, "Lichens and associated fungi from Glacier Bay National Park," in which localities in B.C. are cited. One of these additions was posted on iNaturalist in 2020 by Eva Ullström (*Ricasolia amplissima* ssp. *sheiyi*). Specimens from the Tofino area have been previously deposited at UBC under *Lobaria amplissima* allowing us to officially add the species.

**Excluded:** None.



**Taxonomic/Name Changes:** 3 changes in taxonomic classification and nomenclature were made this year to lichens.

**Status Assessment:** No changes made this year.

### **Liverworts**

**Additions:** 11 liverworts were added to the B.C. flora.

**Excluded:** 8 liverworts were excluded from the B.C. flora.

**Taxonomic/Name Changes:** No changes in taxonomic classification and nomenclature were made this year to liverworts.

**Status Assessment:** 18 liverwort species had a change to their provincial conservation status rank this year. 15 of them went from Blue-listed to Yellow-listed.

### **Macrofungi**

A single change was made to this group this year: *Irpicodon pendulus*, a conspicuous bracket fungus recently reported on iNaturalist from Otter Point and Port Alberni, was added to the B.C. myco-flora. A specimen is held at UBC from Camosun Bog in Vancouver.

### **Mosses**

**Additions:** 4 mosses were added to the B.C. flora. Three of these are based on research by Kramer (2023) and Gallego et al. (2002) on the genus, *Syntrichia*, which has received a lot of attention in recent years, and turns out to be an interesting group in B.C.

**Excluded:** 1 moss was excluded from the B.C. flora.

**Taxonomic/Name Changes:** Seven changes in taxonomic classification and nomenclature were made this year to mosses, of which 4 of them were to entities within *Syntrichia*.

**Status Assessment:** 199 moss species had a change to their provincial conservation status rank this year. These changes were primarily due to new information being gathered not reflecting genuine change. 71 moss species have been reassessed from Red-listed to Blue-listed, and 80 moss species have been reassessed from Blue-listed to Yellow-listed.

### **Slime Molds**

**Additions:** Two slime molds were added to the B.C. slime mold list.

**Excluded:** Seven slime molds were excluded from the B.C. flora.

**Taxonomic/Name Changes:** No changes in taxonomic classification and nomenclature were made this year to slime molds.



**Status Assessment:** One slime mold species had a change to their provincial conservation status rank this year.

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### **Slime Molds**

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