



British Columbia Conservation Data Centre

2025 B.C. Conservation Status Rank Review and Changes

Plant, Fungi and Slime Mold Summary

Read full details of this and previous year changes in table format [here](#).

Lichens (Lichenized Fungi)

A few highlights include changes to the taxonomy of *Sticta* which included the examination of many BC specimens. According to Di Meglio and Goward (2023), *Sticta fuliginosa* was split into four species in western North America including *S. arenosella*, *S. fasciculata*, *S. globulifuliginosa* and *S. gretae*. A fifth species, *Sticta rhizinata*, is a new concept for material previously treated as *Sticta beauvosii* (Spribille et al. 2020). A project DNA barcoding lichens and allied fungi from Calvert Island identified additional new species for the province: *Bryoria furcellata*, *Chaenothecopsis lecanactidis*, *C. nigripunctata*, *Peltigera vitikainenii* and *Peltigera nigriventris* (McMullin et al. 2024), Contributions from the [BC parks iNaturalist](#) crew led to new reports of rare species and the revision of several conservation status ranks.

- 105 additions to B.C. flora/CDC
- 4 exclusions/removals from B.C. flora/CDC
- 150 had conservation status reviews or initial rank reviews
- 59 had rank changes
- 46 had BC List changes
- 35 scientific name changes

Macrofungi

By far the most notable update was the addition of 575 new fungi for the province from Wild Species 2025: The General Status of Species in Canada.

Of interest to many enthusiasts, is the scientific name for Pine mushroom has changed from *Tricholoma magnivelare* to *Tricholoma murrillianum* following a recent publication that revealed the BC material is distinct from the species present in Eastern North America (Trudell et al. 2017).

- 575 additions to B.C. flora/CDC
- 2 exclusions/removals from B.C. flora/CDC
- Conservation status reviews are ongoing from General Status of Species in Canada
- 2 had rank changes
- 1 BC List change
- 106 scientific name changes have been made



Mosses

Few changes this year due to the comprehensive review completed in 2024.

- 1 addition to B.C. flora/CDC
- 3 had conservation status reviews
- 3 had rank changes
- 1 BC List change
- 15 scientific name changes

Liverworts

This species group has already had updates resulting from the General Status of Species in Canada reassessment in recent years. Only one change reported this year is a new liverwort, Black Crystalwort (*Riccia nigrella*), from Vancouver Island.

Slime Molds

Work done by T. Ehlers, R. Durand and P. Janszen, as well as inputs from the General Status of Species in Canada reassessment has increased our knowledge of this group greatly in the last few years. A highlight this year is the new genus and species described from the Slocan Valley (Yatsiuk & Ehlers, *Fungal Syst. Evol.* 15: 112 (2024)). Single known occurrence worldwide.

<https://inaturalist.ca/observations/106098279>

- 58 additions to B.C. flora/CDC
- 11 exclusions/removals from B.C. flora/CDC
- 126 had conservation status reviews
- 2 had rank changes
- 1 BC List change
- 29 scientific name changes

Vascular Plants

A substantial review of BC ranks has been completed by J. Fenneman as part of the General Status of Species in Canada Reassessment of Vascular Plants. There were over 500 rank reviews for species with new data and 326 rank changes since the 2020 assessment, 77 of which are summarized in the CDC 2025 annual update. There were no new species not already incorporated in CDC annual updates resulting from the General Status reassessment, but one notable species this year is Jack Pine (*Pinus banksiana*) which has been more convincingly documented for the province recently via specimens and iNaturalist reports from Jack Pine Remnant Protected Area.

- 2 additions to B.C. flora/CDC
- 326 had conservation status reviews
- 77 had rank changes
- 39 BC List changes
- 55 scientific name changes, 4 English name changes



References

The references listed below either appear as short citations in the summaries above or in the spreadsheets detailing the changes for each of the groups. The abbreviations related to notes about specimens are institutions, the full name of which can be found here:

<https://sweetgum.nybg.org/science/ih/herbarium-list/>

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