



## British Columbia Conservation Data Centre – 2021 Update

Celebrating 30 years of providing information on species and ecological communities in BC

Did you know that the BC Conservation Data Centre (CDC) is not only part of the Ministry of Environment and Climate Change Strategy, but is also a member of the non-profit organisation, [NatureServe Canada](#), and the international [NatureServe](#) Network? There are 100 network programs in Canada, the United States, Latin America, and the Caribbean sharing a common method for ranking and mapping species and ecosystems. How incredible to have a dataset that crosses borders!

### **\*Highlights\***

This year the BC CDC received the NatureServe Network Award for Collaboration along with NatureServe Canada and the Northwest Territories CDC, recognising our work on the [NatureServe Canada's Ecosystem-based automated range maps](#) (EBAR) initiative.

Over 160 species and ecological communities were added to our database and over 3,400 conservation status ranks were reviewed/assigned, including approximately 3,200 macrolichens.

Over 800 Element Occurrences have been added to the spatial layers this year. What is an Element Occurrence? Read about it [here](#).

The BC CDC responded to over 900 custom data requests in 2020 and our web tools were accessed over 400,000 times per year.

### **2021 Taxonomy, Classification, and Rank Updates**

The BC CDC annually releases updates to Conservation Status Ranks of selected species and ecological communities, additions of new species and ecological communities in BC and changes in species taxonomy and ecological community classification.

CDC data were updated in June and made available through [BC Species and Ecosystems Explorer](#) (BCSEE). BCSEE reflects the Provincial Resource Inventory Standards Committee (RISC) standard for scientific names, English names and species codes (RISC codes) for species and ecological communities in BC.

Below is a summary, you can read the full list of changes [here](#).

#### **Animal Updates:**

This year focussed on reviewing conservation status ranks for butterflies at the subspecies level. A few birds and one mammal also had status reviews. The General Status Program resulted in the addition of 66 centipedes and millipedes, 33 moths and six scorpionflies. There were nine taxonomy/name changes this year.

### **Plant Updates:**

Sixteen vascular plants were added, and eleven were removed. There were 24 changes to taxonomy or names and 37 conservation status rank reviews. There were 30 mosses and liverworts added and three removed. There were 101 taxonomic changes and 150 amended conservation status ranks, most of which resulted from new information. Eight macrofungi and three macrolichens were added, and five macrofungi were removed from the BC flora. There were 29 taxonomic changes to macrofungi, and 3,239 conservation status ranks were assigned.

### **Ecological Community Updates:**

One ecological community was added and one was removed, and five ecological communities had name changes. There were 28 ecological communities with conservation status rank changes this year.

Find previous years' changes [here](#).

## **Data Access**

Information on species and ecological communities at risk is available via our website and tools:

**BC Species and Ecosystems Explorer (BCSEE):** Read about the June 2021 update [here](#).

Use this application to:

- generate lists of provincial species and ecological communities
- conduct searches using criteria including conservation or legal status, and spatial distribution
- download your results to Excel
- access related reports and documents

**Range Data:** The “Search by Area” option in BCSEE is driven by range data. As the range data are updated, the results from the “Search by Area” option will be refined. Refined range data will be uploaded to BCSEE and be publicly accessible for download through the BC Data Catalogue soon for [species](#) and [ecological communities](#).

**CDC iMap:** Use our custom [application](#) to view mapped known locations (Element Occurrences) of species and ecological communities at risk and print Element Occurrence records; export those to Excel, PDF, or Shapefile.

\*Watch for EcoAtlas BC, coming soon!

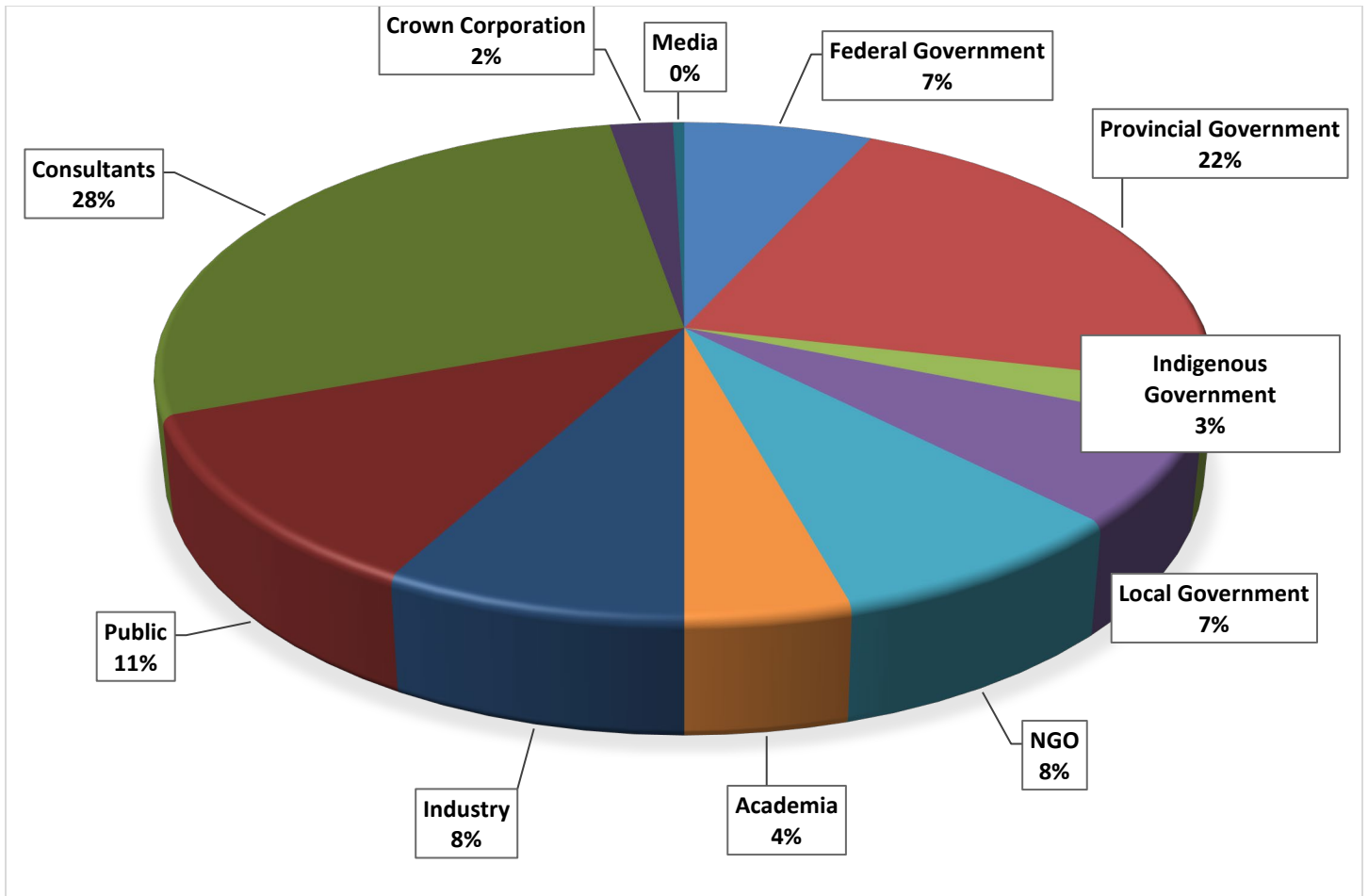
**BC Data Catalogue:** [Download](#) CDC Element Occurrences as Shapefile, Geodatabase, CSV, KML, GeoRSS or GeoJSON or connect to the WMS URL.

**Submit data:** Help us keep our information current! [Submit information](#) relating to BC’s **animals, plants, and ecological communities**.

For more information on the above tools, and more, please visit our [Explore Data](#) web page.

## **Client Service**

Questions from clients include how to use our online tools, requests for secure data and information, and our methods for ranking and mapping species and ecological communities. This year’s breakdown of clients included 968 custom requests:



If you have any questions, please contact us [cdccdata@gov.bc.ca](mailto:cdccdata@gov.bc.ca)

