



## BRITISH COLUMBIA ASSEMBLY OF FIRST NATIONS

### BCAFN Climate Action Webinar

#### Finding and Using Climate Data for Climate Action

## Background Information

### Climate Atlas of Canada

Provided by the [University of Winnipeg's Prairie Climate Centre \(PPC\)](#), [Climate Atlas of Canada](#) (CAC) is an interactive, online tool that merges climatology, cartography, and cinema to provide climate change information and resources across Canada. The PPC brings an evidence-based perspective to communicating the science, impacts, and risks of climate change through maps, documentary video, research reports, and plain-language training, writing, and outreach.

The Climate Atlas of Canada was designed to be accessible to all levels of climate change knowledge and understanding, this tool can be utilized by all—individuals, communities, academics, businesses, and leaders— to inspire and support their climate research and work.

As users explore the Atlas, they can learn about the basics of climate change, its effects, and what these effects *entail* for the present and future. Through climate models, graphs, and reports, users can find national, provincial, and local climate data. Furthermore, with the intersecting effects of climate change on environment and livelihood, users can also take a closer look into the relationship of climate change with [agriculture](#), [cities](#), [forests](#), [health](#), [climate science](#), and [climate action](#). Various [videos](#) and [articles](#) on these topics are also available on the website.

In partnership with local and Indigenous knowledge holders and experts, the Atlas also connects users with climate change stories, experiences, and actions across Canada as presented through documentaries, story articles, and shared strategy plans. Under the interactive map, users can identify where in Canada each story, experience, and action is based from.

To learn more about the basics, using the map, local data, and interpreting climate data, download the [Climate Atlas Guidebook](#).

## The Canadian Centre for Climate Services

The [Canadian Centre for Climate Services](#) (CCCS) is a multidisciplinary federal team working to support the implementation of the [Pan-Canadian Framework](#). With a goal of strengthening Canada's resilience against climate change, they provide climate information on Canada in partnership with governments and regional climate organizations, deliver outreach and engagement services to understand how people can incorporate climate change in their decision-making, and work to build local capacity.

On the CCCS website, users can gain a foundational understanding on climate change in Canada through information presented on:

- [Climate trends and projections](#)
- [Role of climate information in decision-making](#)
- [Scenarios and climate models](#)
- [Measuring the climate](#)
- [Introduction to climate services](#)
- [Climate change concepts](#)
- [Developing climate resilient standards and codes](#)

Climate data, information and tools are useful to inform adaptation planning or to conduct research such as impact, vulnerability, and risk assessments. Through the CCCS website, you can access climate data and tools from climate experts in Canada by visiting [ClimateData.ca](#), and can access other resources such as a [library](#) of climate data and resources available to download. A new resource now available is the [Map of Adaptation Action](#), where users can explore how people across Canada are pursuing climate adaptation through an interactive map.

The CCCS also offers training, support, and partnerships with regional climate organizations to ensure people are informed on *how* to adapt to the changing climate. To provide users in British Columbia with local information, CCCS works with the [Pacific Climate Impacts Consortium \(PCIC\)](#), a regional climate service at the University of Victoria.

In addition, users across Canada can contact the **Climate Services Support Desk** to speak with a professional about finding, interpreting, and understanding climate data, information and tools. You can contact the Support Desk through the CCCS website, by email [info.cccs-ccsc@ec.gc.ca](mailto:info.cccs-ccsc@ec.gc.ca), or by **phone** at **1-833-517-0376** where you can leave a voicemail with your name and phone number, and the staff will call you back!

To learn more about the Canadian Centre of Climate Services, users can read more [here](#).

## Kanaka Bar Indian Band

Originally known as “*T’eqt’aqtn’mux*” or “*the crossing place people*”, the Kanaka Bar Indian Band are one of the 15 Indigenous communities of the Nlaka’pamux Nation today. The community is based on the Fraser Canyon, 14 kilometers south of Lytton, British Columbia. With a community vision *and* commitment to “*using its lands and resources to maintain a self-sufficient, sustainable and vibrant community*”, Kanaka Bar is continually building climate change resiliency by preparing vulnerability assessments, adaptation strategies and resource plans, gathering site-specific data, implementing community-use of renewable energy, strengthening food and water security and creating many learning opportunities for climate change awareness and education.

Chief Patrick Mitchell, the Chief of the Kanaka Bar Indian Band, works collectively with his community in using both climate science and traditional knowledge to meet this vision. In 2018, they developed a [vulnerability assessment and adaptation strategy](#) to identify known and foreseeable climate change outcomes on Kanaka and prepare them in moving forward. Through the years, they have created many different [presentations](#) and [YouTube videos](#) on various climate change topics to share knowledge, awareness, and inspiration with the community and beyond.

Using the principles of leadership, community, decision-making and balance, Kanaka has initiated various streams of work in land, water, resource, and community recovery:

- To reduce the risk of [wildfires](#), they began a fuel management program.
- To gather site-specific climate data, they have implemented active weather stations at their [Band Office](#), [Highway 1](#), and [Lot 4](#) that monitor temperature, humidity, precipitation, wind, and [air quality](#).
- To monitor [water](#) flow and maintain water supply, they have installed water gauges and built storage systems.
- To strengthen [food security](#), they have expanded their gardens, fields, and greenhouses to plant a variety of produce.
- To transition into [cleaner energy self-sufficiency](#), they have invested in solar panels to produce energy for the community.

To learn more about Kanaka Bar Indian Band and their climate action initiatives, visit their [website](#).