



ANNUAL HIGHLIGHTS 2020–2021

Advancing Sustainability Solutions

2020–2021 Year in Review

| | |
|--------------------------|---|
| A New Strategic Plan | 2 |
| About our Priority Areas | 4 |
| Programs at a Glance | 5 |
| Highlights | 6 |
| Connect with Us | 8 |



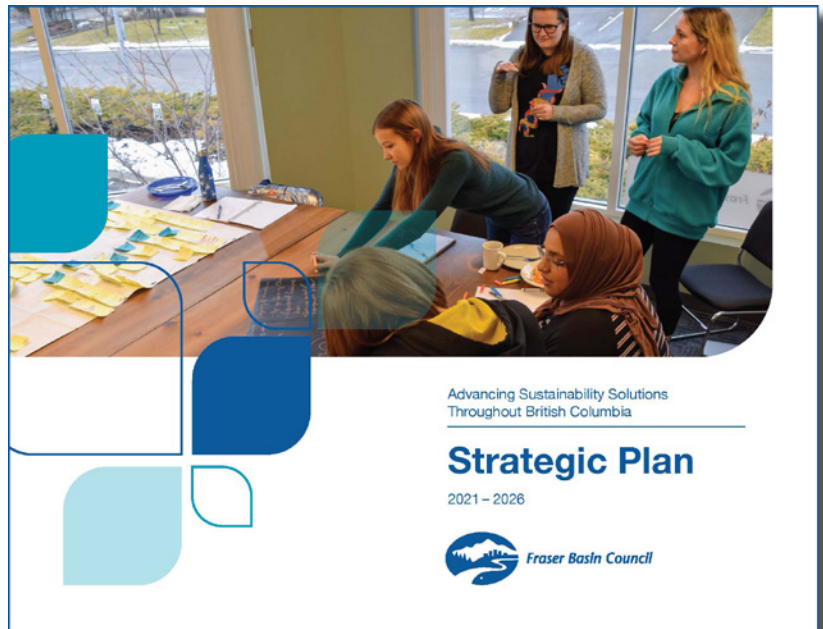
Fraser Basin Council

A New Strategic Plan for our Next Five Years

The 2021-2026 Strategic Plan, adopted by the FBC Board in February 2021, will guide the Fraser Basin Council in our work over the next five years.

The plan reflects on our first 25 years of service, then shifts focus to the horizon to prepare for the next 25 years — as BC faces sustainability challenges and opportunities.

We have articulated the Council's strategic priorities, the principles that underlie how we carry out our work, and the ways we define success. The plan is an inspirational and practical framework for annual operating plans, partnerships, work plans and all decisions to devote time, money and energy to fulfilment of the Fraser Basin Council's vision and mandate.



Our Vision

Social well-being supported by a vibrant economy and sustained by a healthy environment

Our Mandate

FBC is a charitable non-profit organization with a mandate to advance sustainability solutions and practices in British Columbia

Governance Foundations

The Fraser Basin Council is a charitable non-profit society with a collaborative governance structure. Our Board is made up of 38 directors from the four orders of Canadian government — federal, provincial, First Nations and local — as well as from the private sector and the community, including an impartial chair, directors representing different regions of BC, and a youth director. We continue to strive to enhance the diversity of the composition of the Board.

Key Roles of FBC

FBC serves in three key roles:

- Facilitator and Strategic Convener
- Educator
- Program Manager



Photo and inset (front cover): FBC Youth Program and Co-Creating a Sustainable BC: page 8
Second inset (front cover) Plug in BC fleet initiatives: page 5



Above: FBC Board Meeting in February 2020, just before the move to online meetings

A Look at Strategic Priorities

FBC's 2021-2026 strategic plan focuses on three strategic priorities to frame our programs:

- **Build Sustainable and Resilient Communities**
- **Take Action on Climate Change**
- **Support Healthy Watersheds and Water Resources**

Recognizing that our people are our strength, we are also committed to **Organizational Resilience**.



Supporting Principles for the Work We Do

There are nine principles FBC has identified as important to our work, as described in our plan:

- Take a long-term stewardship view
- Foster equity and prosperity for all British Columbians
- Redefine prosperity
- Recognize our dependence on a healthy environment
- Acknowledge that natural resources contribute to social well-being and economic prosperity
- Advance reconciliation in collaboration with Indigenous Nations and Peoples to uphold the United Nations Declaration on the Rights of Indigenous Peoples
- Respect local solutions for local needs
- Implement informed and integrated decision-making
- Take bold and decisive action

OUR STAFF

We have a multi-disciplinary staff working on projects around BC from offices in Vancouver, Abbotsford, Kamloops, Prince George, Williams Lake and Vernon.

OUR PARTNERS

The Fraser Basin Council values the trust placed in us to serve British Columbia and its communities for the past 25 years. We look forward to future success together.

Working with BC Communities | About our Priority Areas



HELPING YOU

Take Action on Climate Change

When it comes to climate change, there is a dual challenge for leaders in all sectors: to drive down harmful emissions that contribute to climate change and to prepare for the impacts of a changing climate, some of which are already here. FBC has a track record of service on both fronts. We have partnered with senior governments and with communities on initiatives for greater energy efficiency in buildings, lower emissions and better performance in fleets, an electric vehicle charging network, an electric vehicle awareness campaign and improvements in air quality. We are also helping BC communities and natural resource sectors understand the impacts of climate change and the importance of adaptation.



HELPING YOU

Support Healthy Watersheds and Water Resources

A year-round, abundant supply of clean water that meets all needs in BC can not be for granted. There are communities today, and Indigenous communities in particular, that lack clean drinking water. BC faces a number of significant water issues: pollution, flood risks and periods of insufficient water supply to meet the multiple demands of agricultural irrigation, industry, domestic use, recreation, fish and wildlife. The Fraser Basin Council is here to support leaders in finding innovative approaches to managing watersheds — and to help communities prepare for change. We have experience on a range of issues: flood hazard management, debris management, collaborative watershed governance, watershed stewardship education and water-related climate change adaptation.



HELPING YOU

Build Sustainable and Resilient Communities

BC communities face a range of sustainability concerns — such as how to adapt to a changing climate, encourage water and energy conservation, improve social conditions, strengthen links between urban and rural areas, encourage strong relationships between Indigenous and non-Indigenous communities, encourage social inclusivity and diversify local economies. Our multi-disciplinary team, including regional staff, can help identify relevant social, economic and environmental issues and possible approaches for finding solutions. We often serve as a convenor and facilitator, helping to design and deliver planning and engagement processes that are tailored to local needs. FBC is also a delivery partner on many sustainability education and action programs.

Overview | 2020-2021 Programs at a Glance

Here is a snapshot of the Fraser Basin Council's BC-wide and regional programs in 2020-2021. Given the challenges of the pandemic, the FBC team worked to switch up options for program delivery, including a transition to online events. Thanks to our program partners and participants for their commitments and innovation.

Lower Mainland Flood Management Strategy, Phase 2
(GVSS-Fraser Valley)

Thompson Flood Projects (Thompson)

BC Flood Investigations in Support of a BC Flood Strategy
(BC-wide)

Other BC Flood Work: Orphan Dikes Assessment
and Geotechnical Investigations to Assess Seismic
Vulnerability of Dikes (BC-wide)

Plug in BC electric vehicle education, support and
incentives (BC wide)

Clean BC Go Electric Fleets Program (BC wide)

Emotive – The Electric Vehicle Experience
(BC wide)

Northeast BC Climate Risk Network (Northeast BC)

First Nations Home EnergySave (BC wide)

Co-Creating a Sustainable BC (BC wide)

Elizabeth Henry Scholarship for Communities and
Environmental Health (BC wide)

Prince George Air Improvement Roundtable (Northern
Interior)

PG Ambient Air Monitoring Network (Northern Interior)

Woodstove Education (Northern Interior)

North Central Local Government Association (Northern
Interior)

Kamloops Air Quality Roundtable (Thompson)

Watershed Projects:

- Shuswap Watershed Council (Thompson)
- Nicola Basin (Thompson)
- Cultus Lake (Fraser Valley)
- Nechako Watershed Roundtable (Northern Interior)
- Columbia River Salmon Reintroduction Initiative
(Southeastern BC)
- Shared Waters Alliance (GVSS)

Fraser Valley Illegal Dumping Alliance (Fraser Valley)

Canadian Heritage Rivers Program, 10-Year Monitoring
(Fraser Basin)

Salmon-Safe BC (BC wide)

BC Wildlife and Habitat Forums (BC wide)

Sea to Sky Visitor Use Management Planning (GVSS)

Grasslands/ Rangelands projects (Cariboo-Chilcotin)

Wildfire Community Roundtables (Cariboo-Chilcotin and
Thompson)

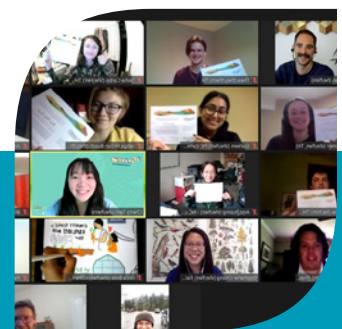
Tsilhqot'in National Government-Province of BC
Agreement (Cariboo-Chilcotin)

ECHO program: Southern Resident Killer Whales and
Shipping (GVSS)

Shuswap Regional Trails Strategy (Thompson)

Would you like to know more about our work?

VISIT US: [FRASERBASIN.BC.CA](https://fraserbasin.bc.ca)



Project Profiles | Highlights



Lower Mainland Flood Management Strategy

The Lower Mainland Flood Management Strategy initiative brings together governments and other entities with responsibilities for (or interest in) helping Lower Mainland communities reduce the risks of a large-scale coastal or Fraser River flood. Larger and more frequent floods are projected in the region under climate change and expected to cause widespread disruption and losses estimated at \$20-30 billion.

In 2020-2021 the work focused on completing flood modelling and maps and a risk assessment, launch of a new flood education site, videos and story map, and a first working draft of a strategy. More work is ahead. See floodwise.ca for updates.



Thompson Watershed Flood Projects

The Thompson watershed has for years experienced high peak river flows in the watershed during spring freshet, intense summer rain storms, flash floods in some locations and winter ice jams in others. There is a need to better understand the flood hazard in order to work on flood risk reduction. In 2020-2021, FBC expanded on the previous year's flood hazard mapping work. Projects included new base level flood hazard mapping, using 2019-2020 LiDAR, to cover additional areas in the Thompson and Cariboo regions and detailed flood mapping within the City of Merritt on the Nicola and Coldwater Rivers. Visit thompsonflood.ca for project reports.



Community Wildfire Roundtables

Community wildfire roundtables bring together people with responsibilities for reducing wildfire risks. The tables serve an important role, given the serious fire seasons faced by the BC Interior. There are roundtables focused on implementation of wildfire protection plans in Williams Lake and Clearwater and the surrounding areas, and a roundtable working on wildfire protection work in Clinton and the surrounding area. FBC's Interior staff facilitate the roundtables, which create connectivity across governments and other entities and help everyone stay current on controlled burns and other preventive measures.



First Nations Clean Energy Successes

FBC supports First Nations and remote communities in their adoption of cleaner energy options, and works in collaboration with community leaders and funding partners. A CleanBC program, Renewable Energy for Remote Communities, helped reduce small community reliance on diesel by through funding capital costs of renewable electricity projects. In 2020-2021 projects were supported at Hesquiaht First Nation (solar), Kwadacha First Nation (solar) and Lhoosk'uz Dene Nation (bioenergy). Through the First Nations Home EnergySave program, in collaboration with First Nations communities and SES Consulting, FBC oversaw a 2020-2021 series of webinars and training sessions, plus a podcast series on home energy savings.



Plug in BC

FBC's [Plug in BC](#) program supports the uptake of electric vehicles in BC through a hub of information and incentives for consumers and fleets. In 2020-2021 this work included support for the installation of new fast-chargers in key locations and for the Province's [CleanBC Go Electric Fleets program](#). FBC delivered technical support and provincial incentives to fleets to undertake a business case assessment for their use of electric vehicles, a facility analysis, electrical upgrades and the purchase of charging equipment.

Fleets also had access to incentives for buying eligible zero-emission specialty-use vehicles, such as low-speed service vehicles, forklifts, on-road medium and heavy duty trucks and cargo e-bikes.

FBC's dedicated EV Advisors helped businesses and stratas navigate the installation of chargers in shared parking areas. The public outreach arm of the program is Emotive - The Electric Vehicle Experience. While in-person Emotive events, such as ride-and-drives, were postponed in 2020-2021, the program increased online video content and continued funding communities in their efforts to raise awareness.



Climate Change Adaptation

Planning is a challenge under climate change. FBC helps communities in tackling the emissions that drive climate change and in advancing climate adaptation strategies. Following the success of Adaptation Canada 2020, a national conference hosted by FBC in February, we rolled out virtual adaptation workshops and webinars for small rural communities and First Nations, and an event tailored for northern communities through the Northeast BC Climate Resilience Network. In 2021 we relaunched [ReTooling for Climate Change](#), a website featuring top climate adaptation resources for BC communities.



Watershed Work

FBC supports a number of watershed projects. In 2020-2021 these included research projects in the Nicola Basin, education on nutrient loading in the Cultus watershed and assistance to the Nechako Watershed Roundtable. The [Shuswap Watershed Council](#) is also supported by FBC staff in delivery of its multi-year programs on water quality monitoring, reporting and protection, recreational safety on the water, and steps to help boaters avoid introducing zebra and quagga mussels into the lake system.



Salmon-Safe Communities for BC

[Salmon-Safe BC](#) is a certification program of FBC aimed at enhancing and protecting the health and habitat of Pacific Salmon through better land and water management practices. In 2020-2021, Salmon-Safe and SFU's Pacific Water Research Centre supported research that identified opportunities to align local government policies with Salmon-Safe practices for better watershed health. The program also hosted webinars, including one to profile new research on roadway tire dust that is toxic to Coho in urban waterways.

During the year, Salmon-Safe BC certified the Okanagan winery Stag's Hollow, as well as the program's first urban design firm, DIALOG Design in Vancouver, which will apply Salmon-Safe approaches in their projects. There is growing interest in certification among urban developers.

Connect with Us

Find out how the Fraser Basin Council can support you in managing your sustainability challenges. Connect with our staff on partnership opportunities through any of the regional offices listed below or at our main office:

Fraser Basin Council

1st Floor, 470 Granville Street
Vancouver, BC V6C 1V5

T: 604 488-5350

F: 604 488-5351

E: info@fraserbasin.ca

W: www.fraserbasin.bc.ca

Regional Offices

FBC has staff working in the Fraser Basin and throughout BC.

- Greater Vancouver-Sea to Sky
T: 604 488-5350
- Fraser Valley (Abbotsford)
- Thompson (Kamloops)
T: 250 314-9660
- Cariboo-Chilcotin (Williams Lake)
T: 250 392-1400
- Upper Fraser (Prince George)
T: 250 612-0252
- Vernon
T: 604 897-5350



Co-Creating a Sustainable BC: Youth in Action!

2021-2022 marked Year 2 of [Co-Creating a Sustainable BC](#), an initiative that empowers youth to connect with community leaders, plan and create their own sustainability projects to address climate change challenges, and build skills in collaboration. The 2020-2021 youth cohorts worked on food security and waste projects in the Thompson, North-Central BC, Cariboo-Chilcotin and Fraser Valley regions.

Thanks to participants and to members of FBC's Youth Advisory Committee.



Colin Hansen
Chair



David Marshall
Chief Executive Officer



Fraser Basin Council