



Welcome

The State of the Basin initiative monitors and reports on indicators of environmental, economic, cultural, and social well-being in the Columbia Basin-Boundary Region.

Selkirk Innovates compiles the Snapshot report to provide a summary of current State of the Basin research. More information on the indicators of well-being and related reports and resources are available on the State of the Basin website: https://stateofthebasin.ca/.

THE COLUMBIA BASIN-BOUNDARY REGION

Selkirk Innovates acknowledges that the Columbia Basin-Boundary Region encompasses the traditional territories of the Sinixt, the Ktunaxa, the Syilx, the Secwépemc, and the Lheidli T'enneh peoples. The region encompasses more than 8.6 million hectares of land in southeastern British Columbia, Canada. It includes the Regional Districts of Kootenay Boundary, Central Kootenay, and East Kootenay, which are collectively the Kootenay Development Region, as well as a portion of the Columbia Shuswap Regional District and the Regional District of Fraser-Fort George. Two other development regions intersect the borders of the region: Thompson-Okanagan and Cariboo. The Columbia Basin-Boundary Region is home to approximately 178,000 people.¹

USING RESEARCH TO IMPROVE REGIONAL WELL-BEING

Every day, Columbia Basin-Boundary residents and organizations make decisions that influence the future of our region. The primary goal of the State of the Basin initiative is to provide access to data to support evidence-based decision-making, leading to improved well-being in the region. Four objectives support this goal:

- **Inform** citizens and organizations about the people, natural environment, communities, and economy of the region by providing access to accurate, credible, and timely information;
- **Encourage** understanding of complex issues and trends over time, including future projections when possible;
- **Signal** whether conditions are similar or different within the region, and in comparison to other areas to highlight and celebrate areas of achievement, and to identify significant issues, ideally before they become critical; and
- Motivate discussion, information sharing, strategic evidence-based decisions, and collective action.

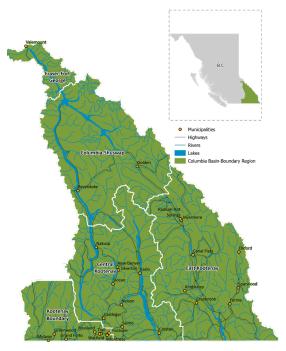
INDICATORS & DATA SOURCES

State of the Basin research draws on available data from a variety of sources including federal, provincial, and local governments, crown corporations, and non-profit initiatives. These data are collected from open access sources and through custom requests. The 2021 Census of Population is used for many indicators. While quantitative State of the Basin indicators help establish foundational knowledge of regional well-being, they only tell part of the story. Qualitative information, including Selkirk Innovates' subjective well-being research, can further contribute to understanding the well-being of our communities and region. In September 2021, a random sample of 400 Columbia Basin-Boundary residents participated in subjective well-being research. Participants responded to over 100 closed-ended questions, and some of their responses are included in this Snapshot.

STATE OF THE BASIN AND WORLD EVENTS

World events, such as the COVID-19 pandemic or increased inflation, have impacted many aspects of life in the Columbia Basin-Boundary Region. As we continue to recover from the pandemic, and navigate new challenges such as the affordability crisis, our understanding of these impacts will deepen as new data become available.





ECONOMY

Workforce



COMMUNITY	LIVING WAGE (2022) 6	
Castlegar	\$20.54	
Columbia Valley	\$21.85	
Cranbrook	\$21.90	
Fernie	\$23.58	
Golden	\$25.56	
Grand Forks	\$20.05	
Nelson	\$20.83	
Revelstoke	\$23.60	
Trail	\$21.13	
REGIONAL DISTRICT	PERSONS WITH LOW INCOME (2021) ⁷	
Central Kootenay	16.2%	
Columbia-Shuswap	13.2%	
East Kootenay	10.4%	
Fraser-Fort George	12.8%	
Kootenay Boundary	13.2%	

Average Before-Tax Income of Columbia Basin-Boundary Taxfilers (2021). 5

Total \$53,431

Men \$64,251

Women -\$42,969

Median Hourly Wage for Part Time Versus Full-Time Employees in the Kootenay Development Region (2022).4

\$20.00

\$31.25

Full-Time

Part-Time



81%

of residents surveyed are worried to some degree about the impacts of the COVID-19 pandemic. 3

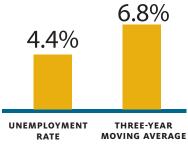
Labour Force Replacement Rate in the Columbia Basin-Boundary Region (2022).8

A rate of less than 1.0 means an area is unable to maintain the current labour force with local replacement workers.

As of 2022, 66% of the labour force in the Kootenay Development Region has a post-secondary certificate, diploma, degree, or higher. 9



Unemployment Rate in the Kootenay Development Region (2022). 11



ECONOMY

Housing





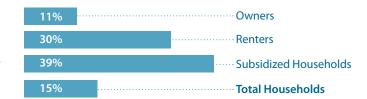
Subsidized Housing in the Columbia Basin-Boundary Region (2022). 13





Emergency Shelter and Housing for Assisted Living the Homeless

Columbia Basin-Boundary Households Spending More Than 30% of Their Income on Shelter (2021). 14



VACANCY RATES AND RENTS (2022). 15			
MUNICIPALITY	AVERAGE RENT	VACANCY RATE	
Cranbrook	\$1,024	1.1%	
Nelson	\$1,019	0.6%	

A balanced vacancy rate is 3%.

Housing

Five-Year Change in Housing Stock in the Columbia Basin-Boundary Region (2016-2021). 16

-2.4% 0.9% Single-detached house Other types of dwellings

Infrastructure

Modes of Worker Commuting within the Columbia Basin-Boundary (2021). 17



Single Worker in a Motor Vehicle



Active **Transportation**



Carpooling



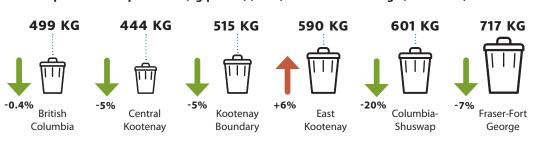
Public Transit



Other Methods

of residents surveyed regularly carpool, walk, bike, etc. to work. 3

Per Capita Waste Disposal Rate (kg/person) (2020) and One-Year Change (2019-2020). 18



of residents surveyed think their access to telecommunication services is good. 3

Business Climate



Average Building Permit Value for Columbia Basin-Boundary Municipalities (2021). 19

This is a 43% increase from \$11.7 million in 2020.

Between October–December 2022, there were 32 major projects in the Kootenay Development Region at an estimated cost of **\$6.6 billion**. ²⁰

7 PROPOSED | 22 CONSTRUCTION STARTED | 3 ON HOLD

Total Amount of Building Permits for Columbia Basin-Boundary Municipalities. 19



329 million

\$470 million

Number of Business Starts in the Kootenay Development Region. 21 872

> 2021 2022

32 fewer business starts in 2022.



Employment Rate in the Kootenay Development Region. 11

2021 57.4%

2022 56.8%



840



Total Persons Employed in All Industries in the Kootenay Development Region. 11

2022

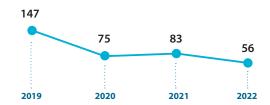
79,700

80,000

of residents surveyed think their access to retail shops is good. 3

TOTAL NUMBER OF BUSINESSES. 22			
REGIONAL DISTRICT	2021	2022	ONE-YEAR CHANGE
Central Kootenay	14,497	14,473	-0.2% 👃
East Kootenay	13,817	14,084	1.9% 🕇
Kootenay Boundary	5,973	6,117	2.4% 🕇

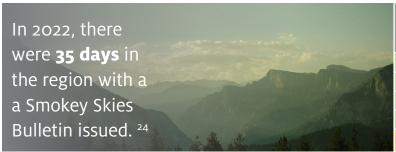
Consumer Bankruptcies in the Kootenay Development Region. 23



There were **3 business bankruptcies** in the Kootenay Development Region in 2022 – down from seven bankruptcies in 2021 and on par with three bankruptcies in 2020. 23



Air & Climate



COMMUNITY	ANNUAL AVERAGE PARTICULATE MATTER (PM²-5) μg/m³ (2022). ²5		
Castlegar	8.2		
Cranbrook	8.7		
Golden	10		
Grand Forks	9.6		
Provincial Objective	8		

Biodiversity

RED LISTED SPECIES IN THE COLUMBIA BASIN-BOUNDARY REGION (2023). ²⁶		
SPECIES NUMBER		
Bryophyte	3	
Invertebrate Animal	24	
Lichen	3	
Vascular Plant	39	
Vertebrate Animal	38	

Bears Destroyed by Conservation Officers as a Result of **Human-Wildlife Conflict in** the Columbia **Basin-Boundary** Region (2022). 27





Black Bears

Grizzly Bears

Number of Threatened Ecosystems in the Columbia Basin-Boundary Region (2023). 26







Flood



Wetland



Alpine

Land

Grassland

Area Burned by Wildfires in the Columbia Basin-Boundary Region (2022).28 100,000 80,000 of residents surveyed 60,000 think the landscape and aesthetics of 40,000 their community are 20,000 attractive or in good condition.3 2021 2022 Area (Hectares) 10-Year Average

Water

Snow Water Indices, April 1, 2022. 29



Upper Columbia Boundary

Region

101% West 101%

East Kootenay Kootenay

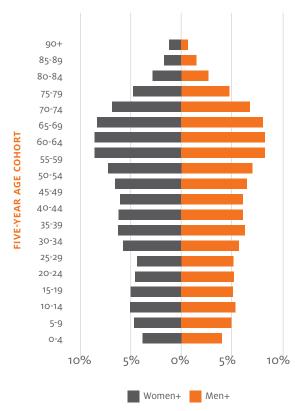
The April 1 snow water index provides an indication of the amount of water that will be available to serve human and environmental needs over the spring and summer seasons.

The index reflects the percent of normal expected snowpack. 29

Demographics

ALL DEMOGRAPHIC STATISTICS ARE FOR THE KOOTENAY DEVELOPMENT REGION

Population Structure by Age and Gender (2022).8





The total estimated population in 2022 is

166,781

+1% from 164,499 in 2021.8

Number of Migrants. 30

MIGRANT TYPE	2020/21	2021/22
Net International	-181	686
Net Interprovincial	2,056	1,214
Net Intraprovincial	369	587
Net Total Migration	2,244	2,487

There was an +11% increase in net total migration over the last year (2020/21 to 2021/22).

Number of **Dependants** Per 100 Workers (2022). 8



Civic Engagement & Safety



Voter Turnout for All Municipal Elections in the Columbia Basin-Boundary Region. 31

2018 44% 2022 35%

There was a 9 percentage point decrease in voter turnout between 2018 and 2022.

of residents surveyed perceived a low level of equity and inclusion in their community. 3

of residents surveyed feel there is adequate opportunities to have a say or be heard. 3

18% of Columbia Basin-Boundary taxfilers made a charitable donation in 2021. The average donation per taxfiler was \$1,632 and the total amount donated was just over \$40 million. 32

Health and Well-being

5.3% of the 1,285 live births in the region in 2021/22 were low birth weight newborns. 33

76% of residents surveyed are satisfied to some degree with their sense of spirituality. 3

There were 52 deaths from illicit drug use in the Columbia Basin-Boundary Region in 2022. 34

38% of residents surveyed say that they connect with friends and family all the time. 3

Education & Learning

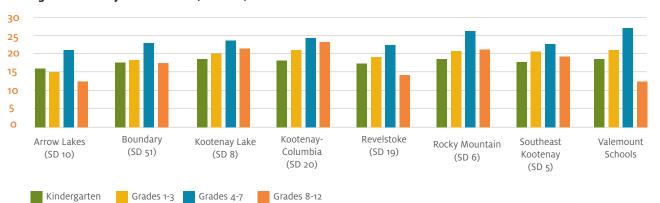


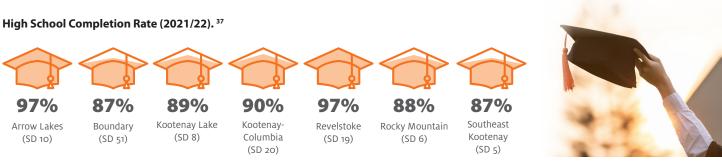
Number of Students Enrolled in Kindergarten to Grade 12 in Columbia Basin-Boundary Schools. 35

> _ 2021/22 _ 21,536

2022/23 -21,782

Average Class Size by Grade Cohort (2022/23). 36





EDUCATIONAL ATTAINMENT FOR RESIDENTS 15+ IN THE COLUMBIA BASIN-BOUNDARY REGION. 2	2021
No certificate, diploma or degree	14%
High (secondary) school diploma or equivalency certificate	30%
Apprenticeship or trades certificate or diploma	12%
College, CEGEP, or other non-university certificate or diploma	22%
University certificate or diploma below bachelor level	3%
Bachelor's degree or higher	19%

College Enrolment by Student Type for Post-Secondary Institutions with Campuses in the Region (2021/22). 38



DOMESTIC 93%



INTERNATIONAL **7%**

CULTURE

Arts & Culture



Public Libraries in the **Columbia Basin-Boundary** Region (2021). 39

Local government support \$37.90

PER CAPITA

Circulation of all materials 5.7

2019

PER CAPITA

of residents surveyed perceive their community livability as improving.³



Percent of Local Government Spending on Parks, Recreation, and Culture in Columbia Basin-**Boundary Municipalities.** 40

2020

11.8%

12.4%

Visitor Centres. 41

2020

Visitors to Kootenay Rockies'

357,963 177,257 184,493 267,036

2021

2022

different ethnic origins self-identified

in the Columbia Basin-Boundary (2021). 42

Heritage

Top 10 Self-Identified Ethnic Origins in the Columbia Basin-Boundary (2021). 42



31% English



23% Scottish



19% Irish



17% 13% Canadian German

10% French

6% Ukrainian

Italian

Russian

5% Dutch

83% of residents surveyed would recommend their community to others as a good place to live.³

82% of residents indicated a positive sense of community well-being. 3

7.3% of Columbia Basin-**Boundary Residents Identify as** Indigenous (2021). 43

Recreation



Visitors to National Parks. 47

NATIONAL PARK	2021/22	2022/23	ONE YEAR CHANGE
Kootenay National Park	510,200	574,126	+12.5%
Mount Revelstoke & Glacier National Parks	726,546	775,190	+6.7%
Yoho National Park	537,533	663,878	+23.5%

Number of Parks in the **Columbia Basin-Boundary** Region (2022/23). 44, 45, 46





Protected Areas



Number of Civic Facilities in the Columbia Basin-Boundary Region (2022). 48

> MUSEUM 17

ARENA 11

RECREATION CENTRE 15

COMMUNITY HALL 11

CURLING CLUB 9

Learn More

To get more information on indicators of well-being within the Columbia Basin-Boundary Region go to <u>stateofthebasin.ca</u>. This website also contains resources including previous <u>Snapshot Reports</u>, <u>Subjective Well-being Reports</u> (results of a poll of Columbia Basin-Boundary residents focused on perceptions and behaviours), and <u>Community Profiles</u> (summaries of community-specific State of the Basin data); and <u>featured trends and analysis</u>.

Through the State of the Basin initiative, Selkirk Innovates provides remote data provision support. This is one-on-one support to provide State of the Basin research for use by an organization or initiative. Access this service by contacting <u>Jayme Jones</u>.

REFERENCES & RESOURCES

- Selkirk Innovates. (2022, February 11). Population. State of the Basin. https://stateofthebasin.ca/society/demographics/population
- Statistics Canada. (2023, March 29). Census profile, 2021 Census of Population [Data set]. https://www12.statcan.gc.ca/census-recensement/2021/dp-pd/prof/index.cfm?Lang=E
- Selkirk Innovates. (2022). 2021 State of the Basin subjective well-being report: Understanding subjective well-being in the Columbia Basin-Boundary Region. State of the Basin. https://stateofthebasin.ca/statics/reports/SotB_ SubjectiveWellBeingReport_2021.pdf
- Statistics Canada. (2022). Table 4: Wages for employed employees by industry, North American Industry Classification System (NAICS) 2017, and type of work, Canada, British Columbia and Economic Regions of British Columbia, annual average, 2008 to 2022 [Custom data set]. Labour Force Survey.
- Statistics Canada. (2021, August 21). I-10: Labour income profile of individuals, 2021 [Data set]. Community Data Program. https://communitydata.ca/data/i-10-labour-income-profile-individuals-2021
- Living Wages for Families Campaign. (2022). Living wages in BC and Canada. http://www.livingwageforfamilies.ca/living_wage_rates
- Statistics Canada. (2023, August 21). I-13: After-tax low income status of tax filers and dependants based on Census Family Low Income Measure (CFLIM-AT), by family type and family type composition, 2021 [Data set]. Community Data Program. https://communitydata.ca/data/i-13-after-tax-low-income-status-tax-filers-and-dependants-based-census-family-low-income-3
- 8. BC Stats. (2023). *Population estimates & projections for British Columbia* [Data set]. https://bcstats.shinyapps.io/popApp/
- Statistics Canada. (2023). Labour Force Survey (LFS) estimates by highest level of educational attainment, Canada, British Columbia and Economic Regions of British Columbia, annual average, 2008 to 2022 [Custom data set]. Labour Force Survey.
- Statistics Canada. (2023, July 20). Employment insurance beneficiaries by census division, monthly, unadjusted for seasonality (Table 14-10-0323-01) [Data set]. https://www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=1410032301
- Statistics Canada. (2023, January 6). Labour force characteristics, annual (Table 14-10-0393-01) [Data set]. https://doi.org/10.25318/1410039301-eng
- 12. BC Assessment. (2022). BC Assessment housing data 2019-2022. [Custom data set].
- 13. BC Ministry of Housing. (2022, March 31). *Non-market housing (2022)* [Data set]. BC Housing Research and Corporate Planning Department.

- Statistics Canada. (2022, September 23). Shelter-cost-to-income ratio by tenure including presence of mortgage payments and subsidized housing: Canada, provinces and territories, census divisions, and census subdivisions (Table 98-10-0255-01) [Data set]. https://doi.org/10.25318/9810025501-eng
- Canada Mortgage and Housing Corporation. (2023). Housing market information portal. https://www03.cmhc-schl.gc.ca/hmip-pimh/en
- Statistics Canada. (2022, April 27). Structural type of dwelling and household size: Canada, provinces and territories, census divisions and census subdivisions (Table 98-10-0041-01) [Data set]. https://www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=9810004101
- Statistics Canada. (2022, November 30). Main mode of commuting by commuting duration, time leaving for work, age and gender: Canada, provinces and territories, census divisions and census subdivisions (Table 98-10-0458-01) [Data set]. https://doi.org/10.25318/9810045801-eng
- Ministry of Environment and Climate Change Strategy. (2023, September 26). BC municipal solid waste disposal rates [Data set]. https://catalogue.data.gov.bc.ca/dataset/d21ed158-0ac7-4afd-a03b-ce22df0096bc
- 19. BC Ministry of Municipal Affairs. (n.d.). *Municipal general & financial statistics, DCCs and building permit information Schedule 305* [Data set]. https://www2.gov.bc.ca/gov/content/governments/local-governments/facts-framework/statistics/statistics
- Government of British Columbia. (n.d.). Recent reports Q4 2022 (Excel 1.7 MB). [Data set]. https://www2.gov.bc.ca/gov/content/employment-business/economic-development/industry/bc-major-projects-inventory/recent-reports
- BC Stats. (n.d.). Incorporations 1990 to 2022 (XLSX) [Data set]. https://www2.gov.bc.ca/gov/content/data/statistics/economy/business-formations-failures
- 22. BC Stats. (n.d.). Business locations by regional district (RD) and economic region (DR) (XLSX) [Data set]. https://www2.gov.bc.ca/gov/content/data/statistics/business-industry-trade/number-of-businesses-and-employment-by-industry
- BC Stats. (n.d.). Bankruptcies for 2006 to 2023 (XLSX) [Data set]. https://www2.gov.bc.ca/gov/content/data/statistics/economy/business-formations-failures
- 24. BC Ministry of Environment and Climate Change Strategy. (2022). *Smokey skies summary* [Custom data set].
- 25. BC Lung Foundation. (2022). *State of the air 2022*. https://bclung.ca/air2022
- BC Ministry of Environment and Climate Change Strategy. (2023).
 BC species & ecosystems explorer. BC Conservation Data Centre. https://a100.gov.bc.ca/pub/eswp/
- BC Ministry of Environment and Climate Change Strategy.
 (2023, July 25). Bears [Custom data set]. BC Conservation Officer Service.

- BC Wildfire Service. (2023). Fire perimeters historical [Data set]. https://catalogue.data.gov.bc.ca/dataset/fire-perimeters-historical
- 29. Government of British Columbia. (2022, April 9). Snow conditions & water supply bulletin. https://www2.gov.bc.ca/gov/content/environment/airland-water/water/drought-flooding-dikes-dams/river-forecast-centre/ snow-survey-water-supply-bulletin
- 30. BC Stats. (2023, October 18). Migration by development region and regional district [Data set]. https://catalogue.data.gov.bc.ca/dataset/migration-bydevelopment-region-and-regional-district
- 31. CivicInfo BC. (n.d.). *Election results*. https://www.civicinfo.bc.ca/election
- 32. Statistics Canada. (2023, August 17). Charitable donations, 2021 [Data set]. Community Data Program. https://communitydata.ca/data/charitabledonations-2021
- 33. Perinatal Services BC. British Columbia Perinatal Data Registry. Years provided: 2016/2017 to 2021/2022. Resource type: Extract. Data provided on September 19, 2023. All inferences, opinions, and conclusions drawn in this publication are those of the authors, and do not reflect the opinions or policies of Perinatal Services BC.
- 34. BC Coroners Service. (2023, October 20). *Unregulated drug deaths Local* Health Area (LHA) of injury [Data set]. https://app.powerbi.com/v?r=eyJrljoi NDI2ZTc0YzUtNDA2MS00NTkwLWFmYzctNjc2NjAzNWZmZmZmliwidCl6lj $\underline{ZmZGI1MjAwLTNkMGQtNGE4YS1iMDM2LWQzNjg1ZTM1OWFkYyJ9}$
- BC Ministry of Education. (2022, December 9). BC schools student headcount by grade. [Data set]. https://catalogue.data.gov.bc.ca/dataset/ bc-schools-student-headcount-by-grade
- 36. BC Ministry of Education. (2023, March 10). BC schools class size [Data set]. https://catalogue.data.gov.bc.ca/dataset/bc-schools-class-size
- 37. 39. BC Ministry of Education and Childcare. (2023, June 21). BC schools Six year completion rate [Data set]. https://catalogue.data.gov.bc.ca/dataset/ bc-schools-six-year-completion-rate
- 38. BC Ministry of Post-Secondary Education and Future Skills. (2023, August 22). Domestic and international student headcount by economic development region and institution [Data set]. https://catalogue.data.gov.bc.ca/ dataset/domestic-and-international-student-headcount-by-economicdevelopment-region-and-institution

- 39. BC Ministry of Municipal Affairs. (2022, December 18). BC public libraries statistics 2002-present [Data set]. https://catalogue.data.gov.bc.ca/dataset/ bc-public-libraries-statistics-2002-present
- 40. BC Ministry of Municipal Affairs and Housing. (n.d.). Financial statistics by schedule, expenses - schedule 402. [Data sets]. https://www2.gov.bc.ca/ gov/content/governments/local-governments/facts-framework/statistics/
- 41. Destination BC. (n.d.). Visitor services network statistics program, year over year reports, 2012 to 2022. [Data set]. https://www.networkstats.tourismbc.com
- 42. Statistics Canada. (2022, October 26). Ethnic or cultural origin by gender and age: Canada, provinces and territories and census divisions (Table 98-10-0357-01) [Data set]. https://doi.org/10.25318/9810035701-eng
- 43. Statistics Canada. (2022, September 21). Indigenous identity by Registered or Treaty Indian status: Canada, provinces and territories, census divisions and census subdivisions (Table 98-10-0266-01) [Data set]. https://doi. org/10.25318/9810026601-eng
- 44. GeoBC. (2023, September 22). National parks of Canada within British Columbia [Data set]. https://catalogue.data.gov.bc.ca/dataset/nationalparks-of-canada-within-british-columbia
- 45. BC Parks. (2023). BC parks, ecological reserves, and protected areas [Data set]. https://catalogue.data.gov.bc.ca/dataset/bc-parks-ecologicalreserves-and-protected-areas
- 46. GeoBC. (2023). Local and regional greenspaces [Data set]. https://catalogue.data.gov.bc.ca/dataset/local-and-regional-greenspaces
- 47. Parks Canada. (2023, May 19). Parks Canada attendance 2022-2023 [Data set]. Government of Canada. https://open.canada.ca/data/en/ dataset/57c69cfc-fc85-495b-9eef-555a08404034
- GeoBC. (2023). Civic facilities [Data set]. https://catalogue.data.gov.bc.ca/dataset/civic-facilities



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State of the Basin findings have been developed by a team of qualified researchers. A variety of data sets were used to develop indicator findings, and as such, community groupings may vary from indicator to indicator. In some cases, community-specific data are not available. State of the Basin research should not be considered a complete analysis, and we make no warranty as to the quality, accuracy or completeness of the data. Selkirk Innovates, Selkirk College and Columbia Basin Trust will not be liable for any direct or indirect loss resulting from the use of or reliance on this data.



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