State of the Basin Snapshot Report A check-up on life in the

A check-up on life in the Columbia Basin-Boundary Region



Photo: Kenton Doupe

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: <u>https://stateofthebasin.ca/</u>.

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. 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 2023, a statistically significant random sample of 301 Columbia Basin-Boundary residents participated in subjective well-being research.¹ Participants responded to over 100 closed-ended questions, and some of their responses are included in this Snapshot.



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.²



Demographics

All demographic statistics are for the Kootenay Development Region.



SOCIETY

Civic Engagement & Safety





62%

of Columbia Basin-Boundary police services reported an increase in the Crime Severity Index between 2022 and 2023.⁷ 71% of residents surveyed perceive their community as a safe place to live.

Education & Learning

Students enrolled in Kindergarten to Grade 12, 2023/24 ⁸

21,709 up 0.6% from 21,572 in 2022/23 Arrow Lakes (SD 10) 505 Revelstoke (SD 19) 1,101 Boundary (SD 51) 1,327 Rocky Mountain (SD 6) Kootenay-Columbia (SD 20) Kootenay Lake (SD 8) Southeast Kootenay (SD 5)

 505
 Student enrolment by school district, 2023/248

 1,101
 2023/248

 1,327
 3,567

 4,229
 4,937

 6,043
 6,043



Average class size by grade cohort per school district, 2023/24¹⁰

School District	Kindergarten	Grades 1–3	Grades 4–7	Grades 8–12
Arrow Lakes (SD 10)	14	13	17	11
Boundary (SD 51)	16	18	23	18
Kootenay Lake (SD 8)	18	19	22	21
Kootenay-Columbia (SD 20)	19	21	25	24
Revelstoke (SD 19)	17	20	23	14
Rocky Mountain (SD 6)	18	21	26	23
Southeast Kootenay (SD 5)	17	20	20	19

with campuses in the Columbia Basin-Boundary Region, 2022/23 ¹¹

Enrolment at colleges



+400 students (+1%) from 2021/22



Child care spaces in facilities that opted to participate in BC Ministry of Education and Child Care programs, Columbia Basin-Boundary Region, 2023¹²



These numbers only include child care facilities that have opted in to the provincial programs, therefore this is not a total count of all child care facilities in the region.



23% of residents surveyed provided unpaid child care to a child other than their own in the previous 12 months.¹



Residents surveyed rated access to child care services with an average score of 3.2 ¹

SOCIETY

Health & Wellness

Residents surveyed rated their physical and mental health with averages scores of: 1





80% of residents surveyed exercised regularly in the previous 12 months.¹

Low Birth Weight, 2022/23¹³

5%

of the 1,225 live births in the Columbia Basin-Boundary Region were low birth weight newborns.





deaths caused by illicit drugs in the Columbia Basin-Boundary Region, 2023 ¹⁴

Local Health Areas in the region with the highest number of illicit drug deaths:

Cranbrook Nelson Trail

Leading causes of death in Interior Health, 2023¹⁵

Cause of death group	Percent of Total Deaths
Cancer	25%
lschemic heart diseases (i.e., coronary artery disease)	11%
Respiratory diseases	8%
Organic dementia	7%
Other heart diseases	7%
All other causes of death	43%

41% of residents surveyed perceive drug abuse and excessive alcohol consumption in their communities.

Recreation

Number of civic facilities in the Columbia Basin-Boundary Region, 2023¹⁶



80% of residents surveyed think there is good access to recreation facilities, experiences, and opportunities. 1

30% of

residents surveyed never participate in sports, while 29% regularly take part in sports groups or teams. 1

Visitors to national parks, 2023/24 and one-year change ¹⁷

561,167 Kootenay National Park

2%

768,430 Mount Revelstoke & Glacier National Parks

1%

694,867 Yoho National Park



Arts & Culture



of residents surveyed think that tourism brings positive benefits to regional communities. ¹



37% of residents surveyed expressed themselves through an arts and/or cultural activity in the 12 months prior. ¹

- 5 percentage points from 2021



272,572

visitors to Kootenay Rockies' visitor centres, 2023. ¹⁸

+ 5,536 visitors (+2%) from 2022



of residents surveyed think there is good access to arts and culture.¹

Arts & Culture



Public Libraries in the Columbia Basin-Boundary Region²⁰

Local government support per capita, 2023

Circulation of print materials per capita, 2023

\$38.26 + 2% from 2022



Percent of average spending on parks, recreation, and culture in Columbia Basin-Boundary municipalities, 2022¹⁹

13%

+ 1 percentage point from 2021



ENVIRONMENT

Air & Climate

Annual number of days with Smoky Skies Bulletins by airshed, 2023²¹

Airshed	Number of Days
Boundary	16
West Kootenay	16
Arrow Lakes–Slocan Lake	17
North Columbia	24
East Kootenay–North	25
East Kootenay–South	25
Elk Valley	27
West Columbia	29
East Columbia	30

74% of residents surveyed are worried about the impacts of climate change. 1

78% of residents surveyed regularly perceive the impacts of climate change in the region.¹

67% of

residents surveyed think that climate change is somewhat of a big problem. Only 7% of respondents do not think climate is a problem at all.¹

Air & Climate

Annual average hourly particulate matter (PM₂₅) readings (μ g/m³) at



Water

Snow water indices by snow basin, April 1, 2023²³

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.



East Kootenay



Upper Columbia







Boundary

Land & Biodiversity



Photo: James Perdue / Flickr

American Badger (*Taxidea taxus*), a red listed species in the region. In the Columbia Basin-Boundary Region there are:

107 red listed

species, 2023 ²⁴



distinct red listed ecosystems, 2023 ²⁴

ENVIRONMENT

Land & Biodiversity

Area burned by wildfires in the Columbia Basin-Boundary Region, 2023²⁵





Photo: Province of British Columbia / Flickr



Area logged on crown land in the Columbia Basin-Boundary Region, 2023 ^{25, 26, 27}



82% of residents surveyed are satisfied to some degree with the quality of their local environment. ¹





33% of residents surveyed perceive the health of our forests and natural vegetation as somewhat of a big problem.¹

38% perceive forest health as a small problem or no problem at all.

Bears destroyed by Conservation Officers as a result of human-wildlife conflict in the Columbia Basin-Boundary Region, 2023 ²⁸







Average before-tax income of Columbia Basin-Boundary taxfilers, 2022³¹





Consumer confidence index, a measure of the degree of optimism consumers feel about the economy overall and their personal financial situation.¹

Vallev

45% 2021 35% 2023

Workforce



70% of residents surveyed indicated it is a bad time to make a major purchase (e.g., home, car, etc.).¹

Unemployment rate in the Kootenay Development Region, 2023³³

5.4% **UNEMPLOYMENT** RATE

5.3% **3-YEAR MOVING AVERAGE**

Employment insurance recipients in the Kootenay Development Region, May 2023 ³⁴

> **95%** of residents surveyed made an effort to buy local in

> > the 12 months prior. 1

51%

of residents surveyed perceive good access to retail services. Average Score: 4.4

+4 percentage

points from 2021

2,790 4 -250 recipients (-8%) from 3,040 in May 2022

Business Climate

Employment in the Kootenay Development Region, 2023 ^{35, 36}





+1,000 persons employed from 2022



Business starts and closures in the Kootenay Development Region, 2023³⁷

businesses from 2022 Starts



ECONOMY

Business Climate

Average Score: 4.9



67% of residents surveyed perceive good access to financial and professional services. ¹



Major projects in the Kootenay Development Region, October to December, 2023 ³⁸





Total building permit amount in the Columbia Basin-Boundary Region, 2022 ³⁹

\$525 million

+\$55 million (+12%) from 2021

Infrastructure

44% of residents surveyed have carpooled, ride shared, taken public transit, walked, or biked to work regularly in the 12 months prior. ¹ 73% of residents surveyed perceive good access to telecommunication services.¹

+12 percentage points from 2021

Commute time in the Columbia Basin-Boundary Region, 2021⁴⁰

	54%		25%	11%	4%	6%
Less than 15 min	15–29 minutes	30–44 minutes	45–59 minutes	60+ minu	ites	

Commute destination in the Columbia Basin-Boundary Region, 2021⁴¹



Commute to a different community within the same regional district

Commute to a community in a different regional district

Commute to a different province or territory



ECONOMY

Infrastructure

43% of residents surveyed perceive poor access to air service.

55% of residents surveyed perceive good access to roads (e.g., well maintained, snow removal).

34% of residents surveyed perceive poor access to public transport.



Housing

44% of residents surveyed perceive poor access to housing.¹



Vacancy rates and average rent costs for townhouses and apartments in communities with populations greater than 10,000, 2023 ⁴³





Housing

Average rent costs for townhouses and apartments in communities with populations between 2,500 and 10,000, 2020 ^{44,45}

Community	Average Rent	Increase from 2015
Revelstoke	\$1,010	9%
Castlegar	\$998	52%
Fernie	\$960	14%
Elkford	\$925	16%
Golden	\$878	26%
Creston	\$866	39%
Kimberley	\$770	23%
Grand Forks	\$765	21%
Trail	\$757	18%
Invermere	\$752	8%
Rossland	\$675	21%





285 Emergency bousing 570 Independent social housing 870 Rental assistance 1,590 Transitional, supportive and assisted

Median assessed property value for single-family residences, 2023⁴⁷

Community	Value
Greenwood	\$235,000
Canal Flats	\$285,000
Midway	\$338,000
Elkford	\$344,000
Trail	\$350,000
New Denver	\$361,000
Salmo	\$375,000
Slocan	\$381,000
Warfield	\$385,000
Nakusp	\$387,000
Silverton	\$395,000

Community	Value
Grand Forks	\$403,000
Sparwood	\$414,000
Creston	\$414,000
Fruitvale	\$418,000
Montrose	\$437,000
Cranbrook	\$446,000
Radium Hot Springs	\$454,000
Kaslo	\$470,000
Kimberley	\$472,000
Castlegar	\$497,000
Golden	\$553,000

Community	Value
Rossland	\$579,000
Invermere	\$588,000
Nelson	\$674,000
Revelstoke	\$801,000
Fernie	\$836,000



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-</u> <u>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-onone 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

- Jones, J. & Perehudoff, L. (2024). 2023 State of the Basin subjective well-being report: Understanding subjective well-being in the Columbia Basin-Boundary Region. Selkirk Innovates. Selkirk College. <u>https://stateofthebasin.ca/statics/reports/SotB</u> <u>SubjectiveWellBeingReport_2023.pdf</u>
- Selkirk Innovates. (2024). *Population*. State of the Basin. <u>https://stateofthebasin.ca/society/demographics/</u> <u>population</u>
- BC Stats. (2024). Population estimates & projections for British Columbia [Data set]. <u>https://bcstats.shinyapps.io/popApp/</u>
- Statistics Canada. (2023). Visible minority by gender and age: Census subdivision with a population of 5,000 or more (Table 98-10-0352-03) [Data set]. <u>https://doi.org/10.25318/9810035201-eng</u>
- BC Stats. (2024). Migration by development region and regional district [Data set]. BC Data Catalogue. <u>https://catalogue.data.gov.bc.ca/dataset/migrationby-development-region-and-regional-district</u>
- Statistics Canada. (2024). *Charitable donations, 2022* [Data set]. Community Data Program. <u>https://communitydata.ca/data/charitable-</u> <u>donations-2022</u>

- Statistics Canada. (2024). Crime severity index and weighted clearance rates, police services in British Columbia (Table 35-10-0063-01) [Data set]. <u>https://doi.org/10.25318/3510006301-eng</u>
- BC Ministry of Education and Child Care. (2023). BC schools – student headcount by grade [Data set]. BC Data Catalogue. <u>https://catalogue.data.gov.bc.ca/</u> <u>dataset/bc-schools-student-headcount-by-grade</u>
- BC Ministry of Education and Child Care. (2023). BC schools – six year completion rate [Data set].
 BC Data Catalogue. <u>https://catalogue.data.gov.bc.ca/</u> <u>dataset/bc-schools-six-year-completion-rate</u>
- BC Ministry of Education and Child Care. (2024). BC schools – class size [Data set]. BC Data Catalogue. <u>https://catalogue.data.gov.bc.ca/dataset/bc-schoolsclass-size</u>
- 11. BC Ministry of Post Secondary Education and Future Skills. (2024). Domestic and international student headcount by economic development region and institution [Data set]. BC Data Catalogue. <u>https:// catalogue.data.gov.bc.ca/dataset/domestic-andinternational-student-headcount-by-economicdevelopment-region-and-institution</u>
- 12. Selkirk Innovates. (2024). *Child care deficit: Not enough spaces.* State of the Basin. <u>https://stateofthebasin.ca/feature/child-care-deficit-not-enough-spaces</u>

- Perinatal Services BC. (2024, November 12). Low birth weight newborns in the Columbia Basin, 2016/17 to 2023/24 [Custom tabulated data set]. British Columbia Perinatal Data Registry. 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.
- BC Ministry of Public Safety and Solicitor General. (2024). Unregulated drug deaths in B.C. BC Coroners Service. <u>https://www2.gov.bc.ca/gov/content/life-events/death/coroners-service/statistical-reports</u>
- 15. BC Ministry of Health. (2024). *Leading causes of death in British Columbia and Interior Health Authority* [Custom data set].
- 16. GeoBC. (2024). *Civic facilities* [Data set]. BC Data Catalogue. <u>https://catalogue.data.gov.bc.ca/dataset/</u> <u>civic-facilities</u>
- 17. Parks Canada. (2024). *Parks Canada attendance* 2023-24 [Data set]. <u>https://open.canada.ca/data/en/</u> <u>dataset/f3288c4d-a273-440e-8693-268ce876fec1</u>
- Destination BC. (2024). Visitor services network statistics program, year over year reports, 2013 to 2023 [Data set]. <u>https://www.networkstats.tourismbc.com/</u>
- BC Ministry of Municipal Affairs. (2024, August 22). Municipal general and financial statistics, expenses

 schedule 402 [Data set]. <u>https://www2.gov.bc.ca/gov/content/governments/local-governments/facts-framework/statistics/statistics</u>
- 20. BC Ministry of Municipal Affairs. (2024). *BC public libraries statistics 2002-present* [Data set]. <u>https://</u> <u>catalogue.data.gov.bc.ca/dataset/bc-public-libraries-</u> <u>statistics-2002-present</u>
- BC Ministry of Environment and Climate Change Strategy. (2023, November 1). *Smoky skies summary* [Custom data set].
- 22. BC Ministry of Environment and Climate Change Strategy. (2024). *BC air data archive: Multi station report* [Data set]. <u>https://envistaweb.env.gov.bc.ca/</u>
- 23. Government of British Columbia. (2023). *Snow conditions & water supply bulletin*. <u>https://www2.gov.</u>

bc.ca/gov/content/environment/air-land-water/ water/drought-flooding-dikes-dams/river-forecastcentre/snow-survey-water-supply-bulletin

- 24. BC Ministry of Environment and Climate Change Strategy. (2023). *BC species & ecosystems explorer*.
 BC Conservation Data Centre. <u>https://www2.gov.</u> <u>bc.ca/gov/content/environment/plants-animalsecosystems/conservation-data-centre/explore-cdcdata/species-and-ecosystems-explorer</u>
- 25. BC Ministry of Forests. (2024). *BC Wildfire fire perimeters – historical* [Data set]. BC Data Catalogue. <u>https://catalogue.data.gov.bc.ca/dataset/bc-wildfire-</u> <u>fire-perimeters-historical</u>
- 26. BC Ministry of Forests. (2024). *Harvested areas of BC* (consolidated cutblocks) [Data set]. BC Data Catalogue. https://catalogue.data.gov.bc.ca/dataset/harvestedareas-of-bc-consolidated-cutblocks-
- 27. BC Ministry of Forests. (2024). *RESULTS Forest cover reserve* [Data set]. BC Data Catalogue. <u>https://</u> <u>catalogue.data.gov.bc.ca/dataset/results-forest-</u> <u>cover-reserve</u>
- BC Ministry of Environment and Climate Change Strategy. (2024, October 31). *Bears* [Custom data set].
 BC Conservation Officer Service.
- Statistics Canada. (2024, January 24). Table 2 Labour force survey estimates (LFS), employed employees, average hourly earnings, median hourly earnings by 2 and 3 digits NAICS, sex and age group for Canada, provinces, economic regions and census metropolitan areas, 2006 to 2023 [Data set]. Community Data Program. <u>https://communitydata.ca/data/table-</u> <u>2-labour-force-survey-estimates-lfs-employedemployees-average-hourly-earnings-median</u>
- 30. Living Wages for Families Campaign. (2023). *Living wages in BC and Canada*. <u>https://www.livingwagebc.</u> <u>ca/livingwagecalculations2023</u>
- Statistics Canada. (2024). I-10: Labour income profile of individuals, 2022 [Data set]. Community Data Program. <u>https://communitydata.ca/data/i-10-labourincome-profile-individuals-2022</u>

- 32. Statistics Canada. (2024). *I-13: After-tax low income* status of tax filers and dependents based on Census Family Low Income Measure (CFLIM-AT), by family type and family type composition, 2022 [Data set]. <u>https://</u> <u>communitydata.ca/data/i-13-after-tax-low-income-</u> <u>status-tax-filers-and-dependants-based-census-</u> <u>family-low-income-4</u>
- 33. Statistics Canada. (2024). *Labour force characteristics, annual* [Data set]. <u>https://doi.</u> <u>org/10.25318/1410039301-eng</u>
- 34. Statistics Canada. (2024). Employment insurance beneficiaries by census division, monthly, unadjusted for seasonality [Data set]. <u>https://www150.statcan.gc.ca/ t1/tbl1/en/tv.action?pid=1410032301</u>
- 35. Statistics Canada. (2024). *Employment by industry, annual (x 1,000)* (Table 14-10-0392-01) [Data set]. <u>https://doi.org/10.25318/1410039201-eng</u>
- 36. Statistics Canada. (2024). *Labour force characteristics, annual* (Table 14-10-0393-01) [Data set]. <u>https://doi.org/10.25318/1410039301-eng</u>
- 37. BC Stats. (2024). Incorporations 1990 to 2023 (XLSX)
 [Data set]. <u>https://www2.gov.bc.ca/gov/content/data/</u> statistics/economy/business-formations-failures
- 38. BC Stats. (2024). BC major projects inventory Q4 2023 [Data set]. <u>https://www2.gov.bc.ca/gov/content/</u> <u>employment-business/economic-development/</u> <u>industry/bc-major-projects-inventory/recent-reports</u>
- BC Ministry of Municipal Affairs. (2024). Municipal general & financial statistics, DCCs and building permit information – Schedule 305 [Data set]. <u>https://</u> www2.gov.bc.ca/gov/content/governments/localgovernments/facts-framework/statistics/statistics
- 40. Statistics Canada. (2022). *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]. <u>https://doi.org/10.25318/9810045801-eng</u>
- 41. Statistics Canada. (2022). *Commuting destination by main mode of commuting, age and gender: Canada, provinces and territories, census divisions and census*

subdivisions (Table 98-10-0462-01) [Data set]. <u>https://</u> <u>doi.org/10.25318/9810046201-eng</u>

- 42. BC Ministry of Environment and Climate Change Strategy. (2024). *BC municipal solid waste disposal rates* [Data set]. BC Data Catalogue. <u>https://</u> <u>catalogue.data.gov.bc.ca/dataset/bc-municipal-solid-</u> <u>waste-disposal-rates</u>
- 43. Canada Mortgage and Housing Corporation. (2024). *Rental market survey data tables: British Columbia,* 2023 [Data set]. <u>https://www.cmhc-schl.gc.ca/</u> professionals/housing-markets-data-and-research/ <u>housing-data/data-tables/rental-market/rental-</u> <u>market-report-data-tables</u>
- 44. Canada Mortgage and Housing Corporation. (2022). *CMHC rural rental market survey – units, average rent, vacancy rate – 2015, 2020* [Data set]. Community Data Program. <u>https://communitydata.ca/data/cmhc-rural-</u> <u>rental-market-survey-units-average-rent-vacancy-</u> <u>rate-2015-2020</u>
- 45. For communities with populations between 2,500 and 10,000, CMHC conducts the Rural Rental Market Survey every five years, ahead of the Census of Population. The most recent data available are from 2020.
- 46. BC Ministry of Municipal Affairs. (2023, September 6). *Non-market housing (2023)* [Data set]. Planning and Land Use Management Branch.
- 47. BC Assessment. (2024). *Southern Interior 2024* property assessments in the mail. <u>https://info.</u> <u>bcassessment.ca/news/Pages/Southern-Interior-</u> <u>2024-Property-Assessments-in-the-Mail.aspx</u>



Selkirk Innovates acknowledges the support of Columbia Basin Trust.

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.

SUBSCRIBE

Subscribe to the State of the Basin newsletter at <u>stateofthebasin.ca</u>.

We'd love your feedback on this and other State of the Basin initiatives. Visit stateofthebasin.ca/feedback.

301 Frank Beinder Way, Castlegar, BC V1N 4L3 phone **250.365.7292** toll free **1.888.953.1133** email **info@selkirk.ca**



selkirk.ca