

Climate Adaptation and Preparedness for the Kootenay Rockies Tourism Sector

HOW IS OUR REGIONAL CLIMATE PROJECTED TO CHANGE BY THE 2050s?¹

HOTTER DRIER SUMMERS



Average summer temperature **↑ 3.9C to 4.2C**
 Average summer precipitation **↓ 6% to 19%**

WARMER WETTER WINTERS



Average winter temperature **↑ 2.9C to 3.2C**
 Average winter precipitation **↑ up to 12%**

MORE EXTREME WEATHER EVENTS



Maximum one-day precipitation **↑ 11% to 30%**
 Number of heatwaves per year² **↑ 5 to 6 more**

WHAT WILL BE IMPACTED?

NATURAL ENVIRONMENT

Air Quality
 Seasonality
 Ecosystems
 Fish and wildlife
 Water resources
 Viewscapes
 Snow security
 Glaciers

BUILT ENVIRONMENT

Buildings
 Utilities
 Roads
 Transportation
 Parks and trails
 Food production
 Energy production
 Dams and dikes

PEOPLE AND SYSTEMS

Physical health
 Mental health
 Fiscal priorities
 Economy and business
 Laws and policies
 Lifestyles
 Destination choices

WHAT CAN YOU DO TO PREPARE?



HELPFUL RESOURCES

[Columbia Basin Climate Source](#)

A one-stop hub for climate information and data for the Columbia Basin and Boundary Regions

[Kootenay Rockies Tourism](#)

Links to provincial and regional emergency preparedness and climate adaptation resources.

[Destination BC - Emergency Preparedness Resources](#)

A one-stop page of emergency preparedness information and resources for tourism operators.

[BDC - Business Continuity Plan](#)

Resources and templates to prepare a plan for your business.

[Climate Preparedness and Adaptation](#)

Provincial resources to inform and support climate preparedness and adaptation planning.

[CREDtalks Season 6: Climate Disruption in the Upper Columbia Basin](#)

Six talks addressing projected climate impacts, potential for adaptation, and mitigation opportunities with ecosystems in the Columbia Basin region.

¹ Projected changes are relative to a 1951-1980 baseline and assume that global GHG emissions continue to increase in coming decades (RCP8.5).
² A heatwave is defined as 3+ consecutive days when the maximum temperature is above the 90th percentile of all daily maximum temperatures.