

Canada in a Changing Climate

Impacts and Adaptation in the Prairie Provinces

The Prairies, and western Canada generally, have had the strongest warming to date across southern Canada, especially in winter. Further warming is projected, resulting in longer growing seasons, earlier spring peak streamflow, increasingly severe heatwaves, and increased wildfire risk. More frequent and intense droughts are anticipated across the southern Prairies in summer. While more precipitation is expected generally, summer rainfall may change little. More intense rainfalls are also projected.



Prairie ecosystems will shift and transform as the climate warms

Floods, drought and wildfires are getting worse



Collaborative water management reduces negative impacts

Climate change brings both benefits and threats to agriculture



Social groups have unique vulnerabilities and strengths

Adaptation planning helps to reduce climate risks



Learn more about the Prairie Provinces chapter, one of six chapters from the *Canada in a Changing Climate: Regional Perspectives Report* of the national knowledge assessment on climate change impacts and adaptation.

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