



May 2019

Headwaters

Welcome to the *Alberta Land-use Knowledge Network's* new monthly newsletter in which we share information and resources about land use planning in Alberta.

The **Land-use Knowledge Network** was launched in 2011 and the **Land Use Planning Hub** in 2018. These two tools continue to grow and support research-based land use decision making throughout the province

If this newsletter was forwarded to you, please consider **subscribing** to our monthly publication.

Review **past issues** of our newsletter



Source: **Alberta Wilderness Association**

Land Use Planning Hub

The **Land Use Planning Hub** is an informal network that supports the implementation of Alberta's regional plans.

Currently on the Land Use Planning Hub

Flood and drought primer

Primer for municipalities to consider flood and drought mitigation practices – from the Miistakis Institute. For all municipalities in Alberta, the Action Planning Primer reviews the risk for both floods and droughts. Risk maps are a first step in mitigation planning: How likely is a drought or flood for my municipality?





Updated: Datasets for Alberta Land Use Planning

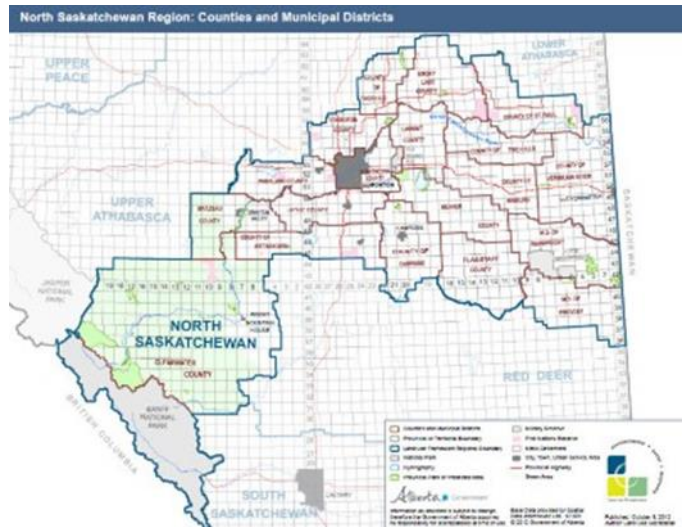
The foundation to evaluating decisions is information. Here are sources of data from Alberta that are useful for land use planning – for water, land, infrastructure, energy and more.

For more information about the Land Use Planning Hub, contact the website’s coordinator, [Jeff Wiehler](#)



The North Saskatchewan Region contains a diverse landscape encompassing Rocky Mountain, rolling foothill and prairie parkland ecosystems. The North Saskatchewan Region includes headwaters forests that provide clean water to downstream communities, mountains foothills, and parkland that support a diversity of habitats that provide homes for species at risk and serves as a major source of recreation and tourism.

The North Saskatchewan Regional Advisory Council



Read [Jeff Wiehler’s](#) post entitled **Preparing for the next regional plans**

Check out our resource list related to the **North Saskatchewan Regional Planning** process.

Recommendations Document from the North Saskatchewan Regional Advisory Council

Headwaters



Source: [Love Your Headwaters](#)

Land Use Topics

The Eastern Slopes of the Rocky Mountains are the source 90% of the water in Alberta. These headwaters form the foundation of Alberta’s eleven watersheds. Protecting headwaters and the eco-systems around them is essential for protecting our water supply. Additionally, protecting the eco-systems provides natural systems that control down-stream flooding.

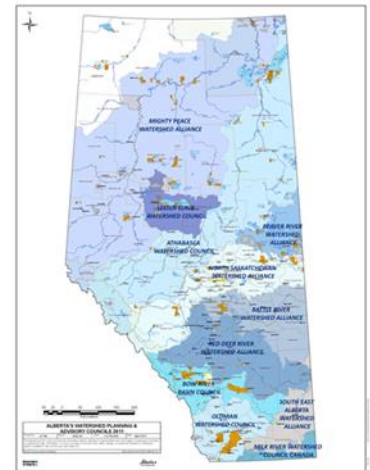
A number of Alberta NGOs and WPACs working to bring public awareness to the need to conserve these natural areas in order to preserve our current and future water supply as well as working with government to enact legislation to ensure this protection.

Alberta Watershed Planning and Advisory Councils (WPACs)

Watershed Planning and Advisory Councils (WPACs) are important stewards of Alberta's major watersheds. These eleven entities are independent, non-profit organizations that are designated by Alberta Environment and Parks to report on the health of our watersheds, lead collaborative planning, and facilitate education and stewardship activities.

WPACs engage representatives of key stakeholders in the river basin area, including municipal, provincial and federal governments; industrial sectors; conservation groups; aboriginal communities; academia; and the public. In their work, they seek consensus on land and water resource management strategies that support the achievement of shared environmental, social, and economic outcomes for the watershed.

Scholarly Articles: [Headwaters and Watersheds](#)



Check out these videos and conferences relating to headwaters and watershed management.

WPAC's Perspective. Presentation by Shannon Frank

Shannon Frank, executive director at Oldman Watershed Council, talks about the 11 watershed and advisory councils in Alberta. She focuses her discussion on the Oldman Watershed Councils' work along the eastern slopes, and the education project that focuses on building relationships with Off-Highway Vehicle (OHV) users and campers.

Water Summit in the Valley: Innovation and Leadership in Sustainable Water Management

In October 2014 the North Saskatchewan Watershed Alliance hosted the annual WPAC Summit. Speakers from across the province came together to present ideas related to innovation and leadership in water management. View the full agenda to see the full details.

Water and the Environment-Watershed Planning & Management in Alberta (CWRA/WPAC) Conference 2013

From March 12-14th, 2013, people involved in water issues in Alberta met in Red Deer to discuss ideas and plans for managing water resources. The conference, jointly hosted by the Canadian Water Resources Association (CWRA) Alberta Chapter and Alberta Watershed Planning & Advisory Councils (WPACs), emphasized the integrated planning that is necessary for water management in the future.

Watershed Planning & Advisory Councils (WPAC) Summit (2012)

Milk River played host to Alberta's Watershed Planning & Advisory Councils (WPACs) from September 24-27, 2012. The WPAC summit featured speakers and field tours, and provided each group an opportunity to share their region's successes, goals and challenges from the past year and looking to the future.

Alberta Agriculture and Forestry: [Sustaining Alberta's Forested Headwaters Science Symposium](#), November 26, 2015 (7 presentations)

[Flood resilience and headwaters management](#) (video: Carolyn Campbell at the Canadian Water Resources Association, Alberta Branch Conference in Calgary Alberta, March 2014)

[Hidden Creek: A Case Study for Headwaters Management](#) (video: Carolyn Campbell at the CWRA/WPAC Joint Conference in Red Deer, Alberta, March 13-14, 2013)

Spotlighted Organizations

Love Your Headwaters is a community committed to protecting Alberta's headwaters, spearheaded by **Yellowstone to Yukon Conservation Initiative** (Y2Y) and **Canadian Parks and Wilderness Society** (CPAWS). Their current priorities include: protecting the Bighorn region, source of nearly 90% of Edmonton's drinking water, as a Wildland Provincial Park; ensuring sustainable forest management in the 55% of Kananaskis Country that remains unprotected; and promoting sustainable land footprint and recreation management on public lands throughout Alberta's eastern slopes - particularly the Livingstone-Porcupine Hills.



Alberta Wilderness Association

Dedicated to the conservation of wilderness and the completion of a protected areas network, **Alberta Wilderness Association** is a voice for the environment. Since 1965, AWA has inspired communities to care for Alberta's wild spaces through awareness and action.

Survey for forest and conservation practitioners and scientists

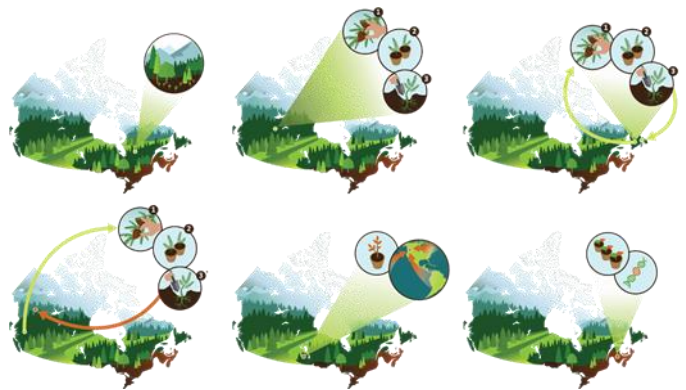
Which reforestation practices should be used to adapt to climate change?

Researchers from the University of British Columbia invite **forestry and conservation practitioners and scientists** to share their views about reforestation strategies to adapt to climate change in Canada's forests. The questionnaire will require approximately 15 minutes to complete.

15 prizes of \$100 will be raffled. Winners will be given the choice of either donating the money to a charity of their choosing or receiving a gift card.

[Follow this link to the survey](#)

[Une version française est aussi disponible](#)



The **Land-use Knowledge Network** is a repository of a wide variety of resources to support your land use and planning research. Take a look at these items...

Resources on the LuKN

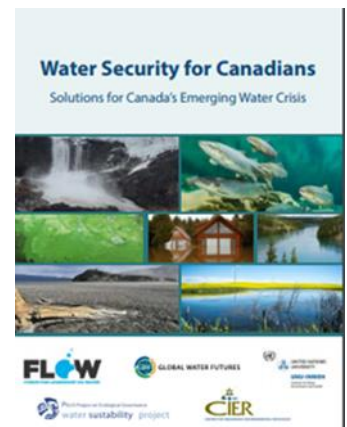


Canada's Changing Climate Report (2019)

This report is about how and why Canada's climate has changed and what changes are projected for the future. Led by Environment and Climate Change Canada, it is the first report to be released as part of Canada in a Changing Climate: Advancing our Knowledge for Action.

Water Security of Canadians: Solutions for Canada's Emerging Water Crisis

This concept note outlines how the federal government can provide leadership and better exercise its jurisdiction to help prevent Canada's emerging water crisis. It proposes a number of specific and achievable activities that will position Canada as a global leader in water prediction, management and sustainability.



Check out these older resources.

Watershed delineation and stream classification for the Northern East Slopes Region including the Foothills Model Forest (2003)

Overview assessment of historic and current land-use activities in selected Foothills Model Forest watersheds (2002)

Proceedings of a workshop to develop a strategic plan for a Watershed Assessment Model (1994)

EVENTS

If you have an event that you would like to see included in our monthly newsletter, please email **Linda** with the details.

May

SEDA: Intersections for Growth Conference

1-2 May, Regina

Canadian Water Network: Blue Cities 2019

7-8 May, Toronto

June

Early bird rates available now

Canada's Oil Sands Innovation Alliance (COSIA): 2019 Oil Sands Innovation Summit

3-4 June, Calgary

May continued

Register by May 8

AWES: Best Management Practices on Private Forested Lands Workshop

11 May, Manning

Keepers of the Athabasca (KotA): Tailing Ponds and Impacts on Aquifers

14-15 May, Fort McMurray

Alberta Council for Environmental Education (ACEE): Recharge 2019 Conference: Challenges, Opportunities and Solutions in Environmental and Energy Education

23-25 May, Canmore

Tamarack Institute: ABCD: Healthy Neighbourhoods, Healthy Cities

28-30 May, Edmonton

Federation of Canadian Municipalities (FCM) 2019 Annual Conference and Trade Show

30 May-2 June, Québec City

June continued

3rd Annual VegFest

15 June, Calgary

September

International Association of Transportation Regulators (IATR) 32nd Annual Conference: Regulatory Roundup

22-25 September 2019, Calgary

Save the date

AUMA 2019 Convention and AMSC Trade Show

25-27 September, Edmonton

October

Save the date

Canadian Rural Revitalization Foundation 2019 Sustainable Communities Conference

1-4 October 2019, St. Johns, NL

Save the date

Recycling Council of Alberta 2019 Conference: Sea Change

2-4 October 2019, Jasper

Save the date

2019 APPI Conference: Celebrate Strength

6-8 October 2019, Fort McMurray

Earlybird rates until 14 June

EcoCity World Summit 2019

7-11 October, Vancouver

Early bird registration available until 31 May 2019

Environmental Services Association of Alberta (ESAA): RemTech 2019

16-18 October 2019, Banff

November

Canadian Alliance to End Homelessness (CAEH): 2019 National Conference on Ending Homelessness

4-6 November, 2019, Edmonton

November continued

Save the date

ALIDP Conference and Trade Show
6-8 November, Calgary

If you have an announcement that you would like to see included in our monthly newsletter, please email [Linda](#) with the details.

NEWS

Canada in dire need of revised water policies: USask experts say

OTTAWA – Water experts from across the country gathered in the nation's capital for a forum on water security to discuss solutions to make communities and industries more resilient and less vulnerable to climate change.

11 April 2019, University of Saskatchewan News

Governments of Canada and Alberta reach 10-year housing agreement

Families, Indigenous communities and vulnerable Canadians in need of an affordable place to call home can count on long-term funding for community housing in Alberta thanks to an agreement signed today by the federal and provincial governments.

15 March 2019, Government of Alberta

Dene Tha' First Nation on course for clean water

In a historic partnership with the Dene Tha' First Nation, the Alberta government is bringing safe and reliable drinking water to the nation.

14 March 2019, Government of Alberta



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