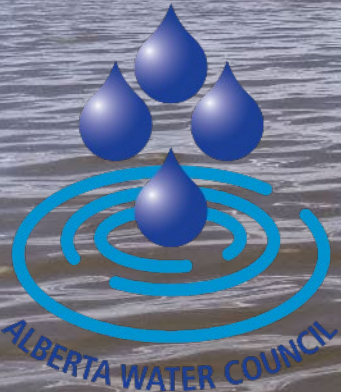


SWP Planning Tools: AWC Project Update and THREATS Tool Demo



Alec Carrigy, AWC
Steph Neufeld, NSWA/ EPCOR

WPAC Summit

October 2023

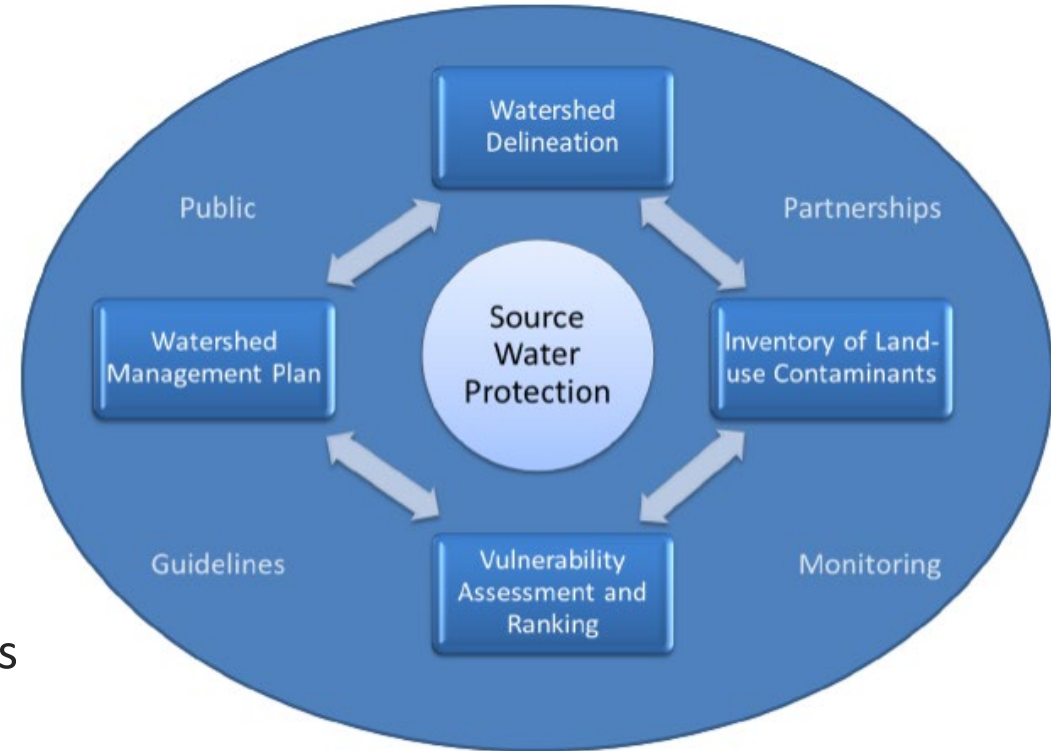
Background

Outcomes of the previous project:

- Guide to Source Water Protection Planning
- Protecting Sources of Drinking Water in Alberta: Companion Document

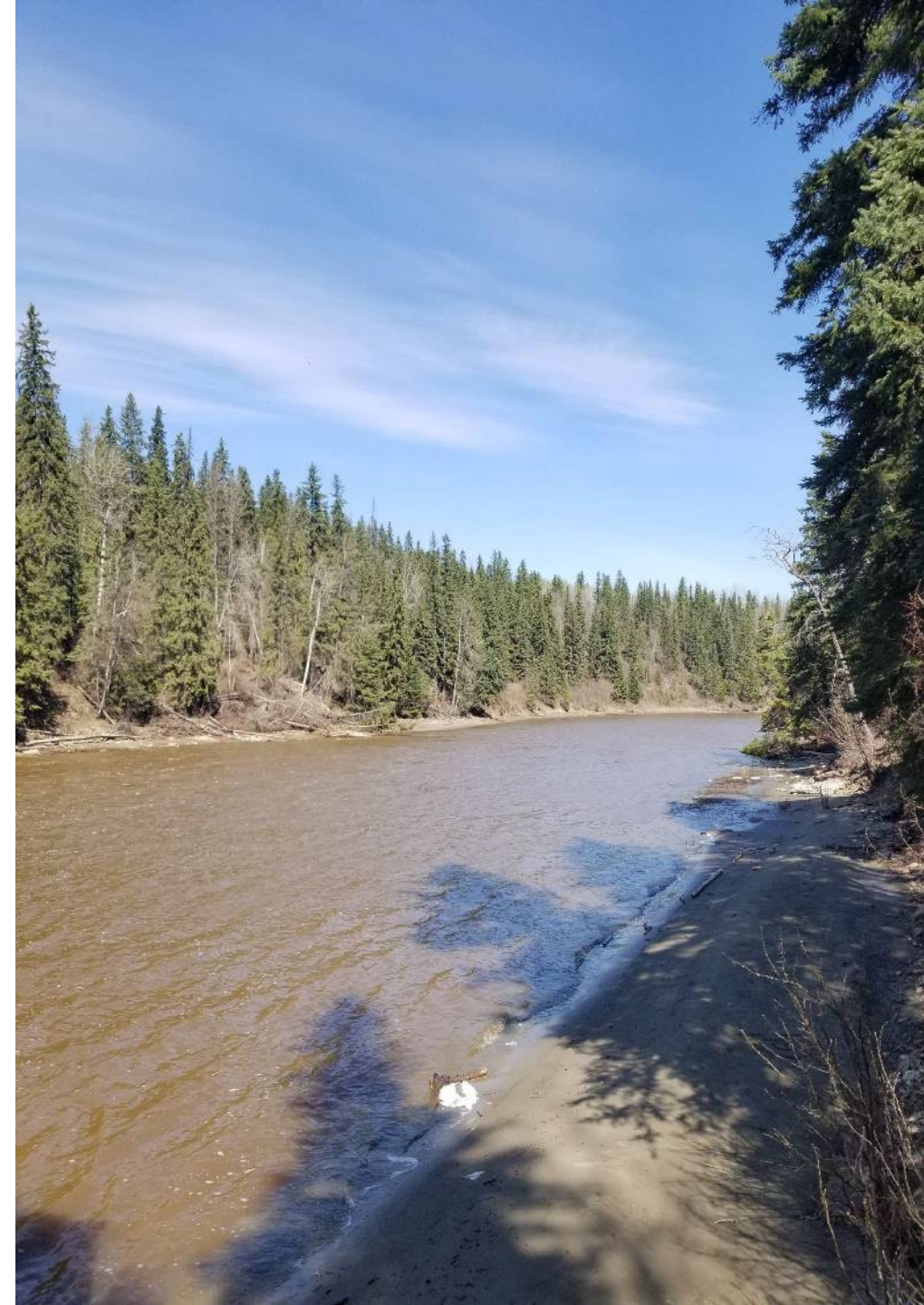
Previous work recommendations:

- More efficient and timely access to data to support risk assessment process
- Education, collaboration, tools, and resources to meet diverse needs of various types and sizes of drinking water systems in Alberta



Project Goals

- Develop a SWP web tool and educational resources
- Assist drinking water providers with risk assessment process
- Support integration and encourage greater collaboration
- Develop recommendations for an implementation phase to support mitigation of risks and a future strategy for SWP



Project Team Membership

Name	Sector
Abdi-Siad Omar	Alberta Env. and Protected Areas
Adam Norris	WPACs
Al Corbett	WPACs
Amber Link	Rural
Angela Crowe	Alberta Health
Dan Moore	Forestry
Michael Wagner	Alberta Forestry and Parks
Hannah Williamson	Large Urban
Kris Samraj (Co-Chair)	Alberta Municipalities
Steph Neufeld (Co-Chair)	Lake Environment Conservation
Steve Meadows	WPACs

Project Managers: Alec Carrigy, Mariem Oloroso

Progress to date

- Scoped the web tool
- Completed an RFP process to select a proponent; selected Greenland International Consulting Ltd. & “THREATS” tool
- Gathered support and interest from potential users of the tool
 - Webinar series: <https://www.youtube.com/watch?v=Zr5kgr1Nmk0>
 - Website content: <https://www.awchome.ca/about-source-water-protection/>
 - Participant feedback: available upon request
- Received ~\$200k funding from Alberta Innovates to cover development costs
- Will proceed with contract once AWC funding confirmed

Demo of THREATS

Web tool development tasks

- Many web tool requirements for SWP planning are addressed through existing modules and data
- This project focused on enhancing/ building on existing features and improving user experience
- Specific tasks:
 - Catchment delineation and flow trace function
 - Spatial change analysis/ feature aggregation
 - Adding spatial data layers
 - Hydrometric analysis module
 - Water quality module
 - Remote sensing data analysis module

Pilot sessions

- Two sessions, expected early to mid-2024
- Focus on potential users of the tool (including WPACs)
- Purpose:
 - Raise awareness of the tool
 - Gather feedback on the tool and associated educational resources
- Feedback used to refine the tool before final release
- Sessions not planned yet, but we will reach out to you when the time comes

Timeline and deliverables (subject to change)

Item	Timeline
Web tool draft and results from pilot session(s)	June 2024
Final report, web tool, supporting materials	November 2024

*Timeline assumes web tool development begins Nov 2023

A scenic view of a lake under a blue sky with scattered white clouds. In the foreground, the back of a white motorboat is visible, with a red and yellow inflatable ring floating nearby. The water is dark blue with shimmering reflections of the sun. A dense line of green trees forms the horizon across the lake. On the left side, the branches of a large evergreen tree are visible, partially obscuring the view.

Questions or Comments?