



What will I talk about today?

- 1. Activities in the Ghost Watershed
- 2. Activities outside the Ghost Watershed
- 3. Mapping and other work

SUMMARY STATS





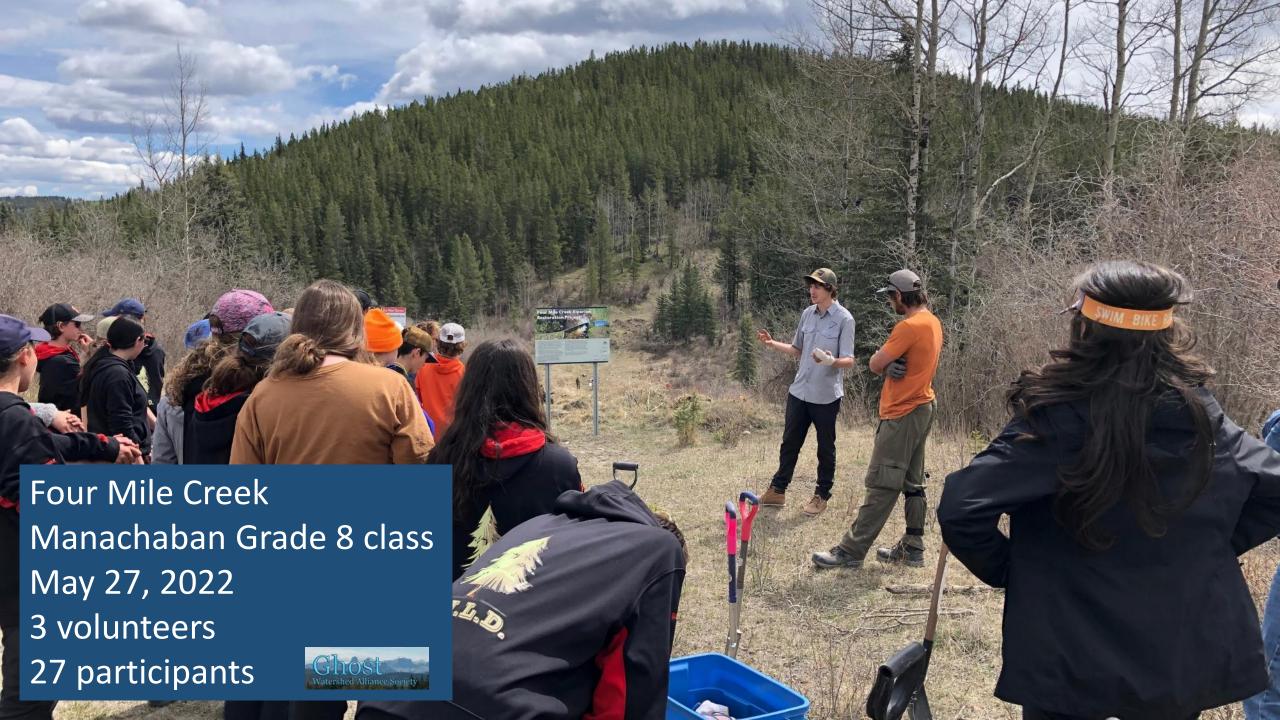




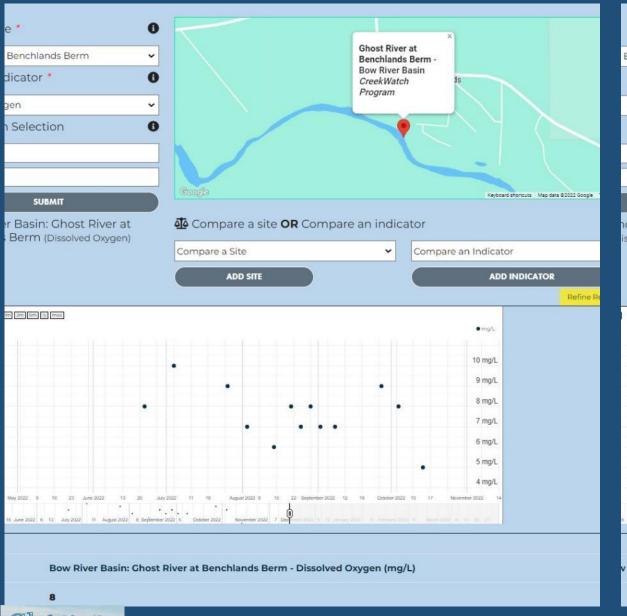


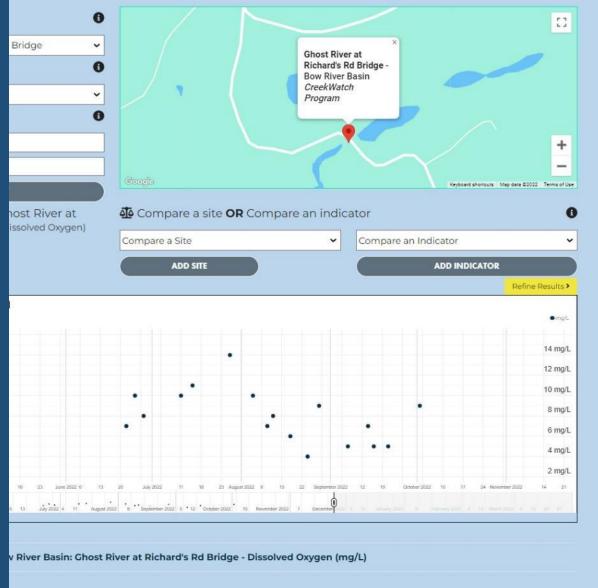








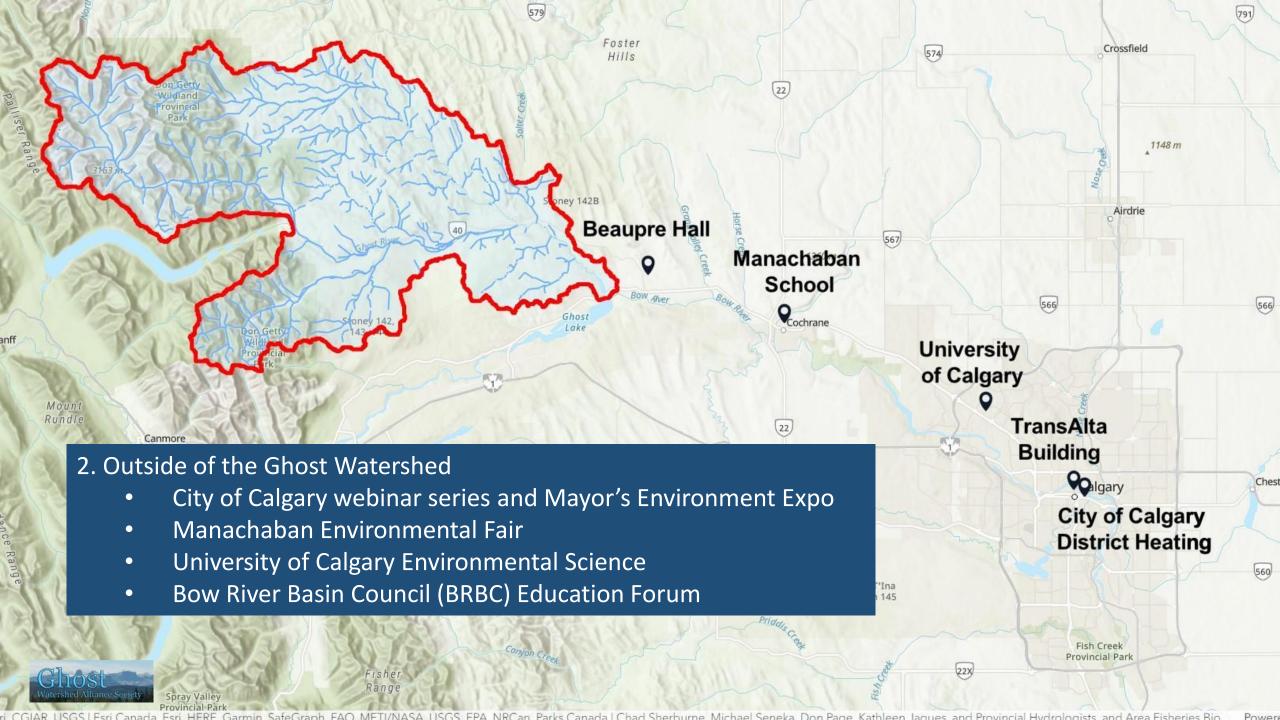










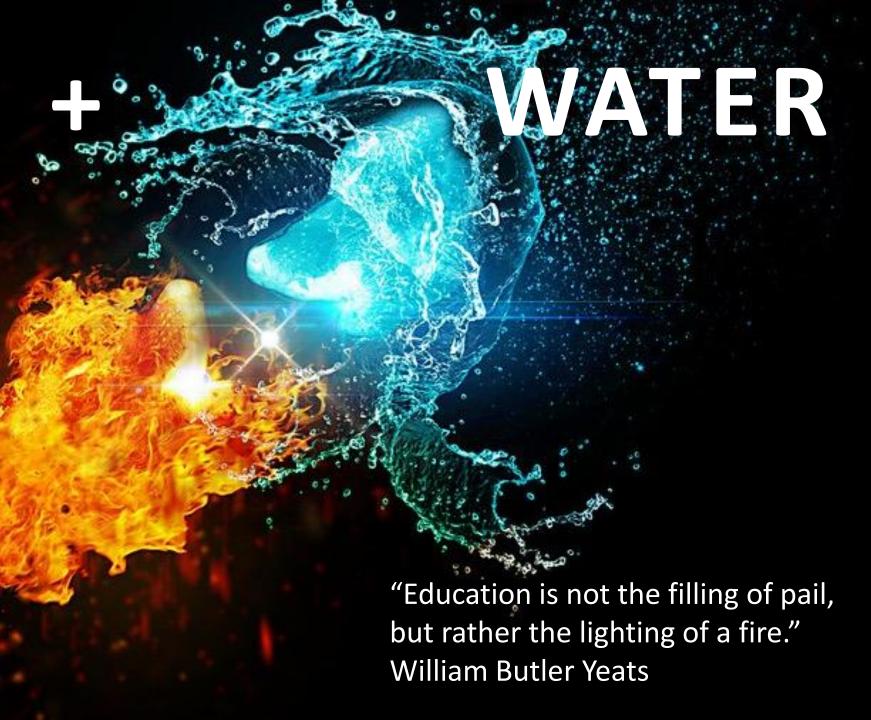


FIRE

How Wildfire Affects
Calgary's Source
Watersheds & Beyond

City of Calgary's Watershed Management Webinar February 16, 2022

Presented by:
Sharlene Fritz
Ghost Watershed Alliance Society





What is the connection?

Why does it matter?

- What is fire?
- Land-water connection
 - Devil's Head wildfire





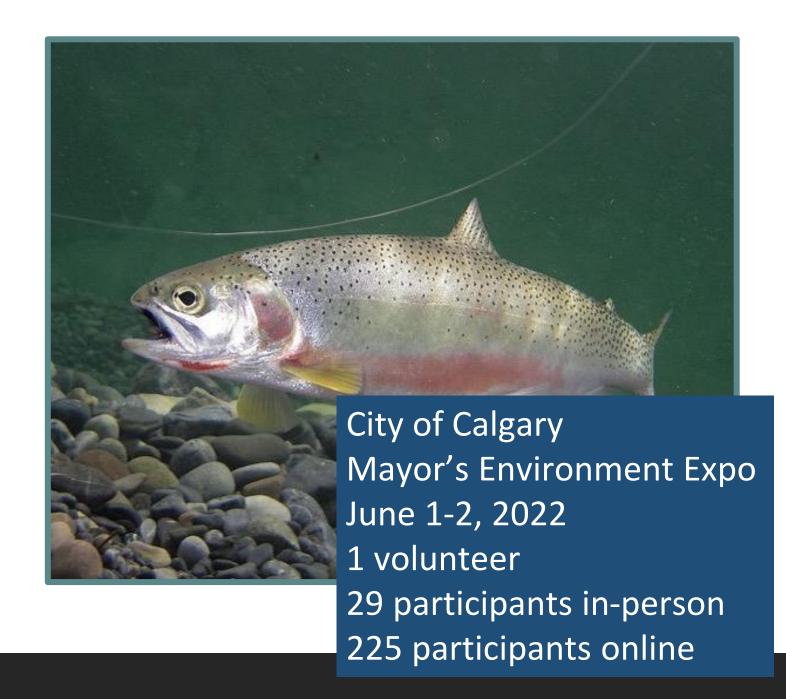






Against the Current:

the story of
westslope cutthroat
trout in Alberta's
headwater
ecosystems







The Ghost River Watershed

Human land use activities & watershed health

Presented to U of C ENSC 501
Presented by
Sharlene Fritz & Marina Krainer
Ghost Watershed Alliance Society
Presented on August 24, 2022







The Rocky Mountains Forest Reserve Story Map

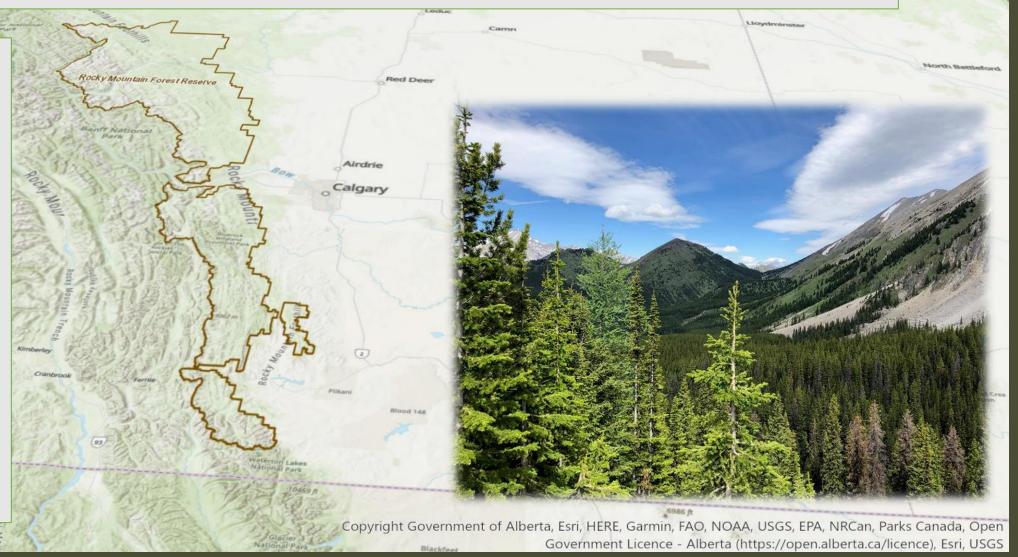
Presented at

the BRBC Education Forum September 14, 2022

Project by

Forest Matters and the Ghost Watershed Alliance Society

Presented bySharlene Fritz

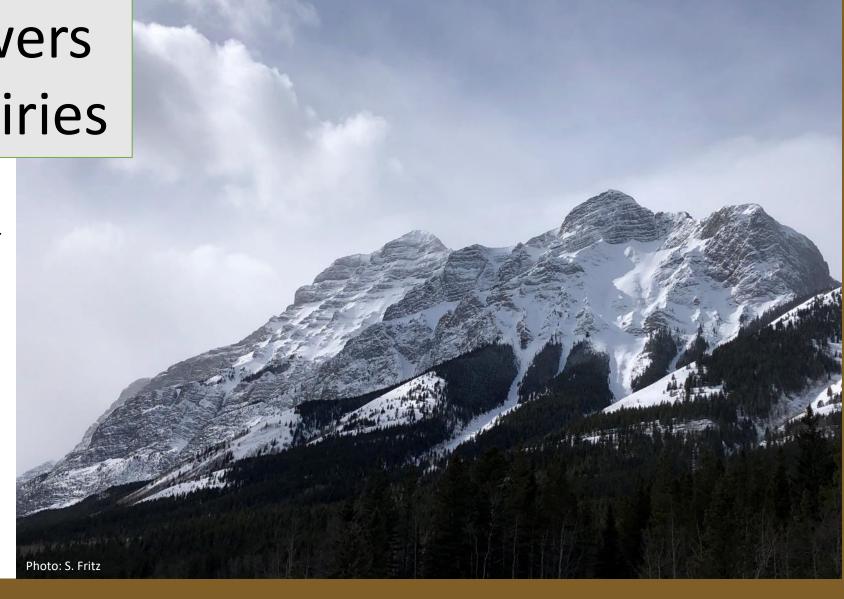




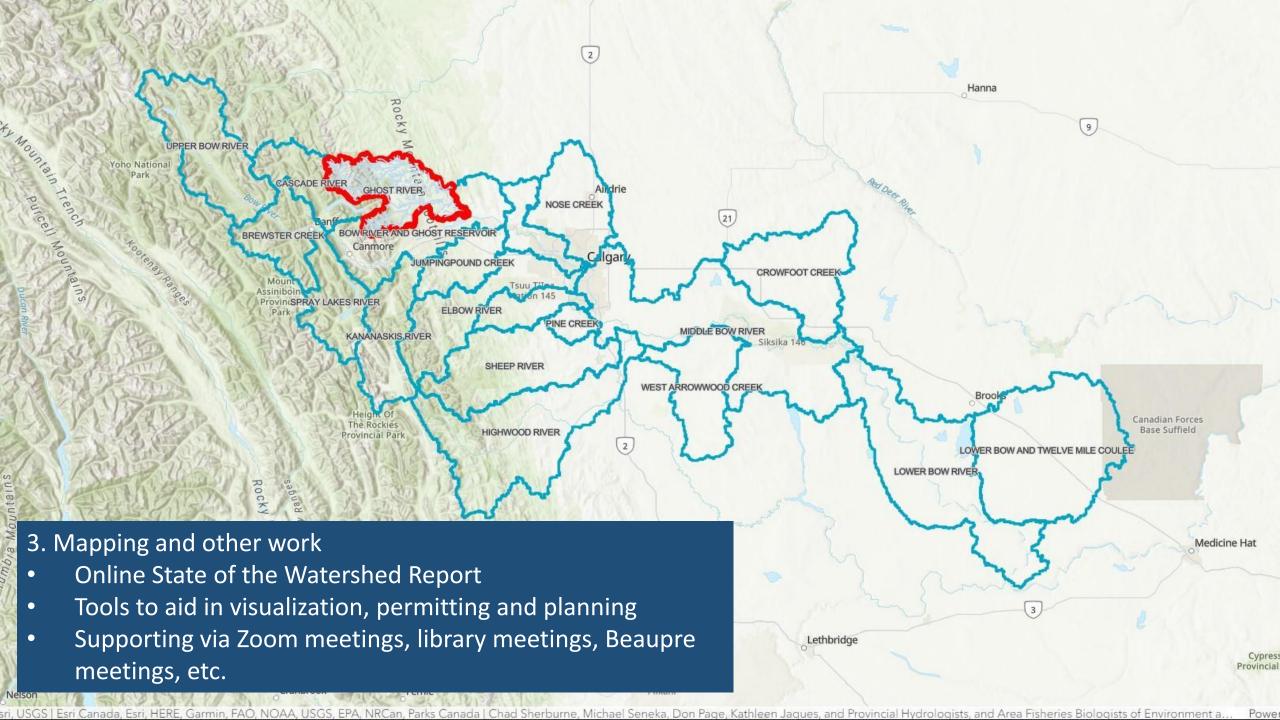
Water towers for the Prairies

Forest reserves were established for "...(1) the reserving of timber supplies, (2) the reserving of areas unsuited to agriculture so that they would not be homesteaded, and (3) the preserving of the water level in streams by conserving the timber on the upper watersheds."

Source: Government of Canada. (1911). An Act respecting forest reserves and parks. Statutes of Canada, 1-2 George V, Chapter 10. Assented to May 19, 1911. Ottawa



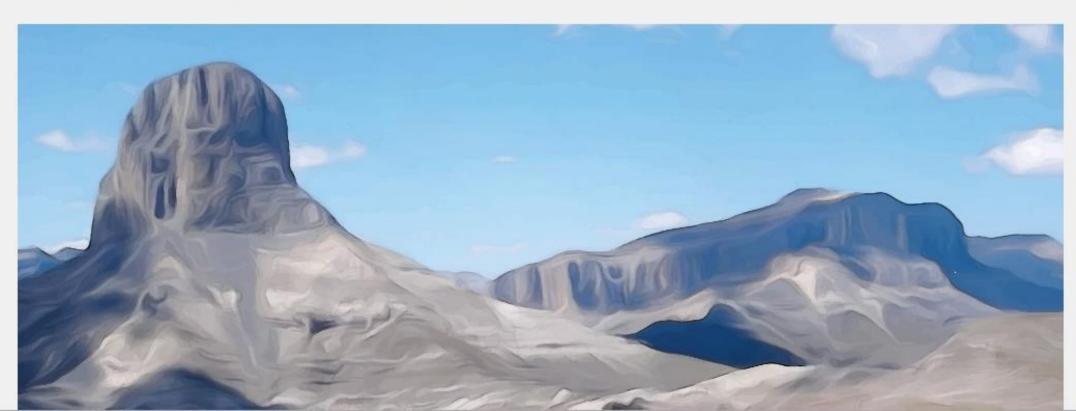




Surface Water Quantity and Alloca

This Special Place

The Ghost Watershed is a place unlike anywhere else. For thousands of years, this land has been home to plants, animals and people hardy enough to navigate and thrive in its extreme landscape. But increasing human pressures - how we access, use and manage the landscape - are changing the watershed. We all have a role to play today to help protect this special place for tomorrow.





Ghost Watershed Wetland Inventory Visualization

A compilation of various sources and datasets



Photo: C. Hill

@ Click here for ABMI Wetland Inventory metadata and technical documentation

ABMI Wetland Inventory

Inventory based on satellite imagery Released March 2021 Accessed November 2022

Reference for Open Data Source:

DeLancey ER, Simme JF, Mahdlanperi M, Brisco B, Mahoney C, Kariyeve J, Comparing deep learning and shallow learning for large-scale wetland classification in Alberta, Canada. Remote Sensing. 2020 Jan;12(1):2. doi: https://doi.org/10.3390/rs12010002.

ABMI. 2021. "ABMI Wetland Inventory" Metadata: "Edmonton, Alberta, Canada

A. Polygon - a discrete enclosed area





Thanks to the support from the following organizations:

*Alberta Conservation Association *Alberta Ecotrust *Bow River Basin Council *City of Calgary *Cochrane Environmental Action Committee *Municipal District of Bighorn *TD Friends of the Environment

















TD Friends of the Environment Foundation



