



Technical Committee Update

January 29, 2021

Grant application to NSERC - College and Community Social Innovation Fund

- Conservation and Restoration of Peatland Ecosystems of NW Alberta through Community Outreach, Applied Research, Technology Dissemination, and HQP Training

CENTRE FOR BOREAL RESEARCH

The Centre for Boreal Research is an innovative applied research facility in Peace River, 500 kilometers northwest of Edmonton, staffed with a team of research scientists and technicians with professional designations in forestry, biology and agrology. The Centre for Boreal Research also hosts the [Boreal Forest Plant and Seed Technology Access Centre \(TAC\)](#).

The facility is 9,000 square feet, includes two laboratories, office space for 15 people, an outdoor growing space and a three-bay greenhouse that features computer-controlled humidity, temperature and lighting. The Centre for Boreal Research is an Approved Seed Testing Facility. The facility was funded by NAIT, Alberta Innovation and Advanced Education, and the Canada Foundation for Innovation, with industry funding from Shell Canada and Penn West Petroleum.

[Sign up for our newsletter or](#)

[Print centre information sheet \(PDF\)](#)

[Evergreen Learning and Innovation Society](#)



*Conserving
Canada's
Wetlands*

 GPRC

Grimshaw Gravel Aquifers Source Water Protection Plan



- Gravel pit by-law alignment



- Education on BMPs on hold

Water budget

Grimshaw Gravels Aquifer Source Water Protection Plan

Recharge – AGS Open File Report 2019-11

Discharge by pumping – sum of licensed allocations and estimated unlicensed well use

Discharge through creeks - ?

Discharge through groundwater seepage – calculate from hydraulic gradient in AGS Open File Report 2019-11

Volume – calculate from saturated thickness assuming a porosity for gravel



Improved Livestock Crossing

- New potential site
- Funds expire March 31



Wadlin Lake



Snipe Lake – advanced suite of parameters

Winter LakeKeepers

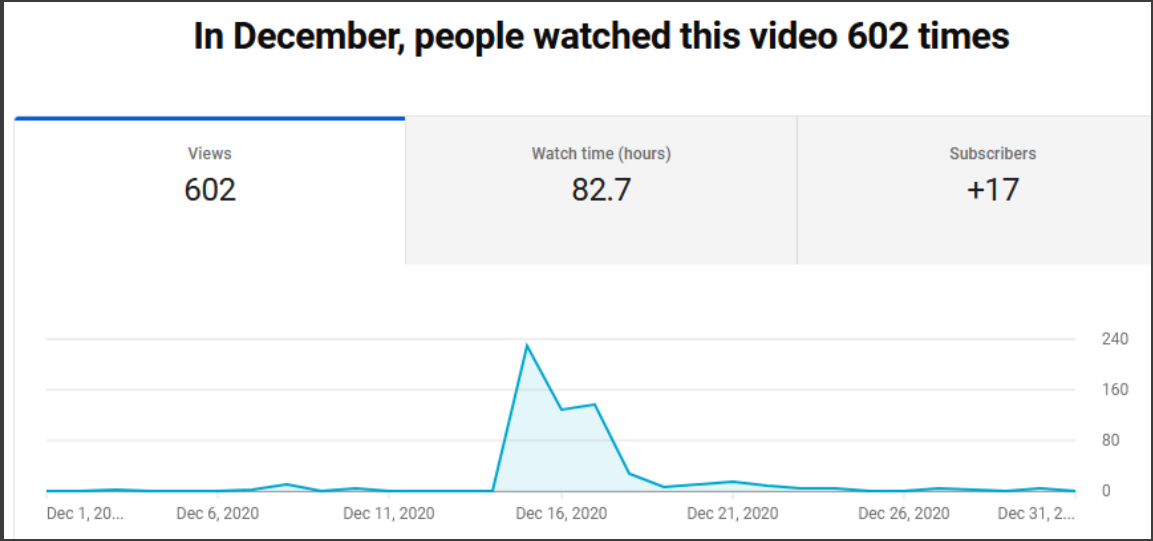


Volunteers
wanted

Redwillow Watershed Restoration Project



- Monitoring continues
- Reports will be released when final



STREAMBANK RESTORATION



INCREASING
RESILIENCE
OF RIPARIAN
AREAS



REDUCING
FLOOD RISK



IMPROVING
HABITATS



REDUCING
SOIL EROSION
& SEDIMENT
POLLUTION

Join us December 15, 2020 @ 12:00- 1:00PM for the video release of our Streambank Stabilization and Extension project!



Streambank Stabilization and Extension

Project finished



Smoky Headwaters Initiative

- Habitat Stewardship Fund application submitted
- Conservation, Community and Education Grant application submitted

Surface Water Management Strategy

Application submitted to Watershed
Resiliency and Restoration Program

Wapiti Watershed Source Water Protection Plan



Project team meets February 2



Finalize plan



Look at implementation