

Global Water Futures 2021 Operations Team Meeting – Project Reporting Template

Instructions: All GWF projects are asked to provide a summary update on their activities and accomplishments in preparation for the upcoming Operations Team meeting. **Please submit these by email to chris.debeer@usask.ca by no later than December 2.** These will be used to help guide discussions and breakout synthesis activities and will be made generally accessible on our website in advance of the meeting.

Project Name:	New Tools for Northern Groundwater Vulnerability Assessment
Our major accomplishments to date are:	
<ul style="list-style-type: none">• Onboarded one Postdoctoral Fellow• Onboarded two MSc Students• In consultation with our Yukon and NWT partners, we identified two communities to initially develop and investigate Groundwater Vulnerability Assessment methods (Carmacks and Whati)• Developed framework for two groundwater courses to be given in the Yukon and NWT• Monthly meetings with research team (PIs and Students) and counterparts in Yukon (Brendan Mulligan) and NWT (Isabelle de-Grandpre)•••••	
Our current activities are:	
<ul style="list-style-type: none">• Developing new framework for evaluating groundwater vulnerability in Yukon and NWT. Focus on accessible approaches and community engagement.• Developing numerical model in HGS of Carmacks, Yukon, to test vulnerability challenges in a Northern context.• Running model to understand how active zone above permafrost affects contaminant transport rates and processes.• Completing a groundwater vulnerability assessment of Whati, NWT.• Developing materials for groundwater short courses. One for community engagement on groundwater, and another for water/environment practitioners. Both courses with a Northern focus.•••••••	
The main accomplishments expected by the end of the project are:	
<ul style="list-style-type: none">• Groundwater vulnerability method applicable for Northern Canada• Teaching and engagement activities	

- Documentation of Groundwater Vulnerability Assessment Method
- Complete training for the two MSc students and one PDF
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Here is a key visual from the project (figure, photo, table, graph, etc.)

