

Identifying Sources of Safe Drinking Water

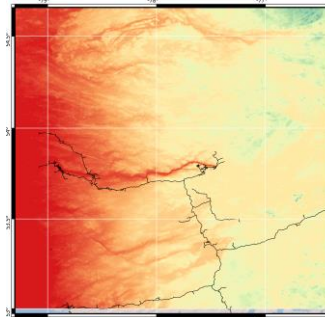
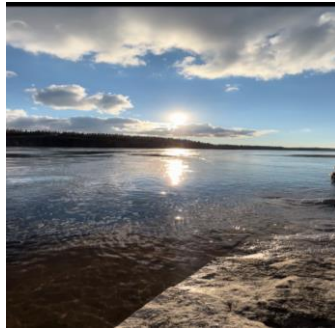
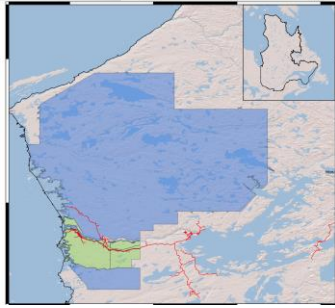


Preston Bobbish (Trapline CH07 & CH27) and Isaiah Coonishish (Trapline CH02), Co-researchers

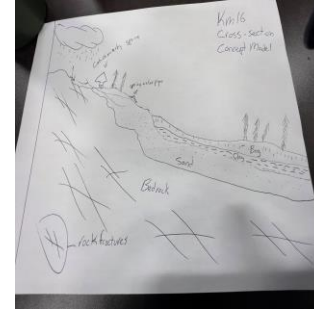
Background

I will describe my work with CERRI on Hydrogeology which is funded by Université du Québec en Abitibi-Témiscamingue. Here I will show how groundwater works and the ways how to prevent future contaminations of other aquifers within our traplines and community.

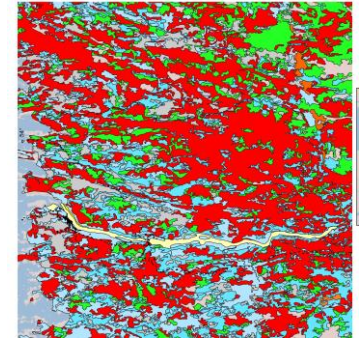
The main objective of this project is to find alternative sources of clean drinking water for Chisasibi.



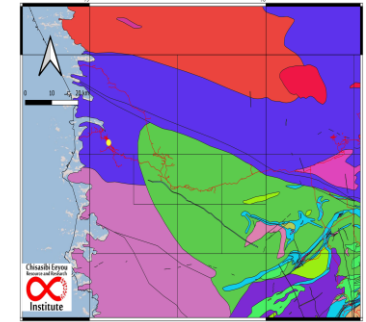
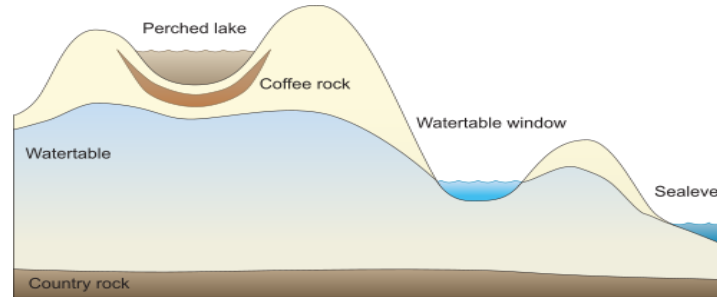
DEM



Conceptual Model



Geology



METHODS

Samples from local springs was collected on October 20-21, 2022 and analyzed for chemical and biological contaminants to see what was happening to our natural springs and to know if it is safe for people to drink.

Preliminary Results

- Natural springs have too much silica and other nutrients
- Living organisms found in the spring waters such as diatoms, bacteria, and dead plant cells found in the microscope

