WORKING WITH WATER

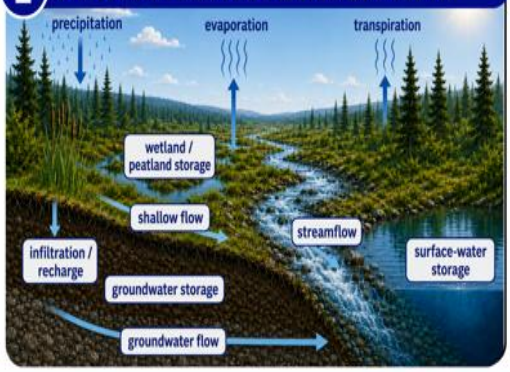
A Conceptual Model of Disturbance in Peatland River Systems

Prepared by: Dr. Nicole Balliston, nballist@uwaterloo.ca

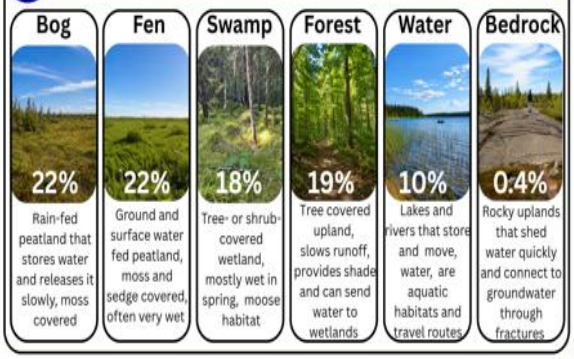
1 Watersheds of the Assessment Area

The Regional Assessment Area features 5 main watersheds (right) draining into Hudson and James Bay, and a small section of Lake Superior. These watersheds contain over 200,000 km of rivers and streams which receive water from the vast wetlands, forests lakes that cover the landscape

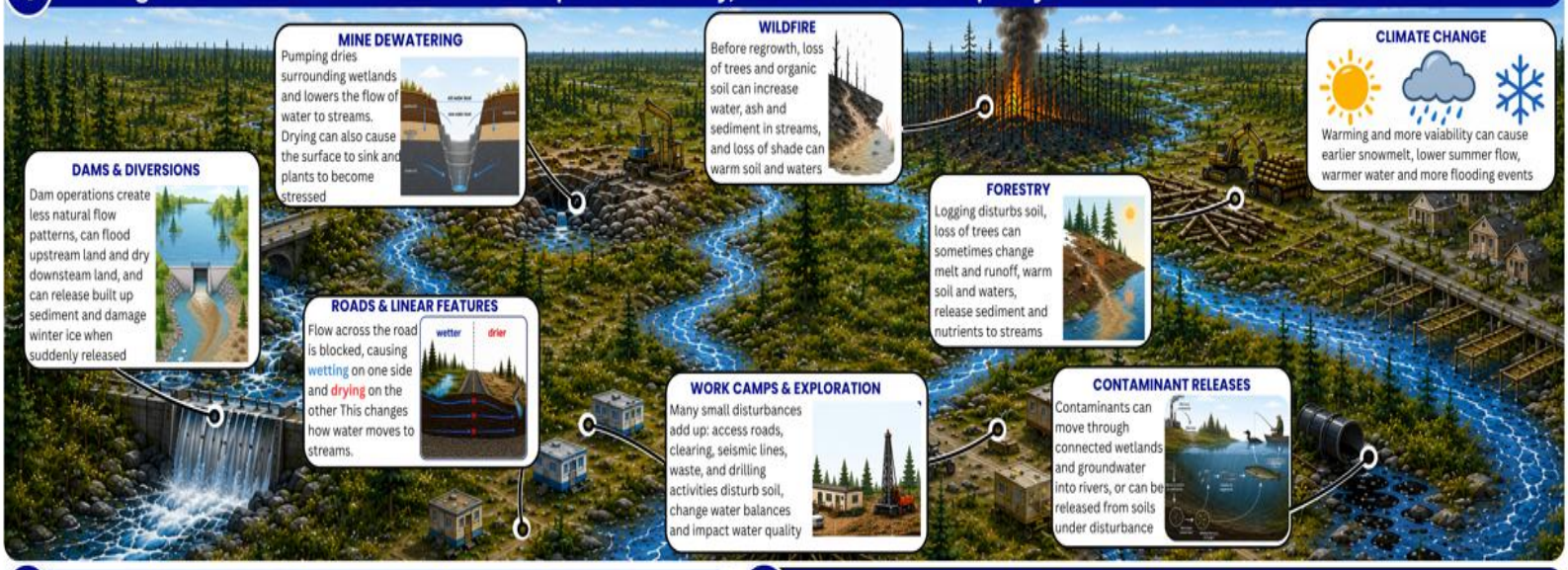
2 How water moves from land to river



3 % Land cover in the assessment area



4 Tracking how disturbance influences landscape connectivity, streaflow and water quality



5 Cumulative effects and indicators of change

6 Next steps to measure, map and model change