



2021 Northwest Region Environmental Baseline Monitoring Program



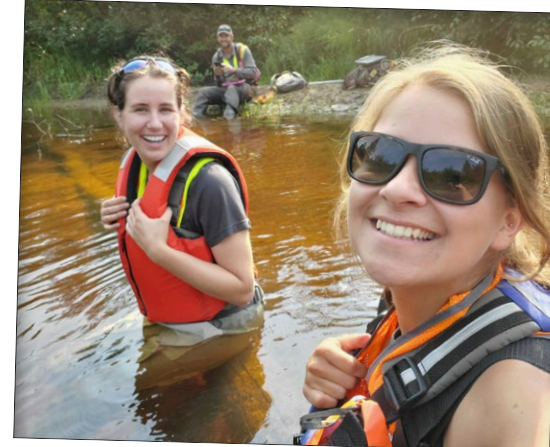
# AQUATIC HABITAT MAPPING



Accessing remote sites with helicopter.



Taking in the landscape at Mennin Lake.



Measuring the depth and width of Mennin River for Aquatic Habitat Assessments.



Gorgeous mornings on Raleigh Lake.



Aquatic habitat assessments on Revell River.



The launch point on Mennin Lake.



Submerged vegetation at Revell River.



A flat calm morning on Mennin Lake.



Observing stream gradients in the AOI.



Habitat mapping at a beaver pond in the AOI.



Assessing the hike ahead for aquatic habitat assessment.



Habitat mapping at a beaver pond in the AOI.



## HYDROLOGY



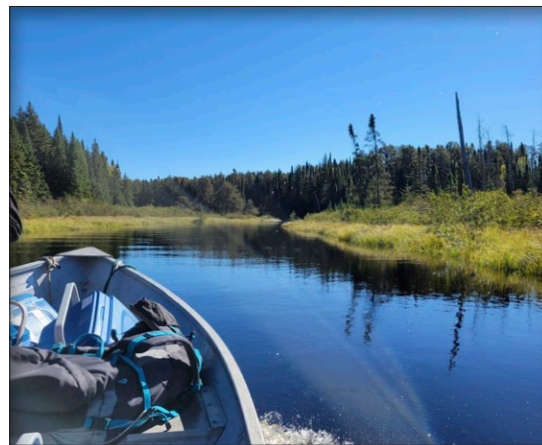
Acoustic Doppler Current Profiler (ADCP) River Ray ready to be deployed to collect measurements of the river bed.



River near HWY 17 Bridge.



The ADCP River Ray in action on Mennin River.



Discovering all of the channels attached to Mennin Lake.



# AQUATIC eDNA



A beautiful day on Mennin Lake.



Enjoying the shade while hiking to the next eDNA site.



Serene views on Wabigoon River.



Wading through the alder trees on Wabigoon River.



Always a full boat when sampling eDNA (Wabigoon River).



Using eDNA Sampler in Mennin Lake.



Navigating the inlet to get to Revell Lake.



# HABITAT SUITABILITY MAPPING



Early morning trek across a granite escarpment on the way to a sampling site in the AOI.



Horsetail ferns on the forest floor.



Scenic rock outcrop.



Trekking through the beautiful mossy forest floor on the way to the sampling site.



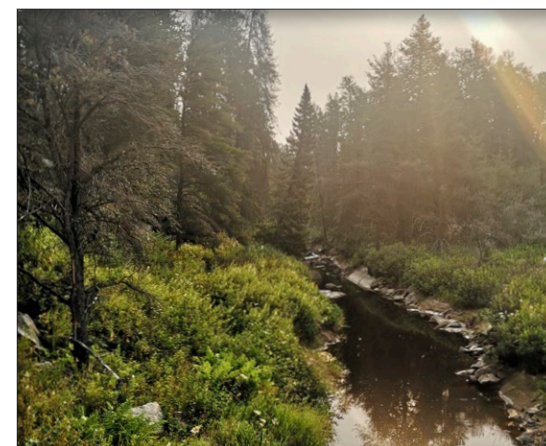
All set for a day of Argo-ing.



Traversing a blowdown area: site access is always an adventure!



New growth on a fallen tree.



Peaceful stream meandering through a pine tree forest in the AOI.



Hazy morning on the edge of a forestry block in the AOI.



Bear claw marks near Mennin Lake.



Meadow marsh on a sunny summer morning.



Navigating rough terrain out of Mennin Lake.



## SOILS



Composite soil sample collected and sealed in labeled sample jars.



Boulder with mosses and ferns growing on it.



Mushrooms encountered during soil sampling.



Mushrooms encountered during soil sampling.



Mushrooms encountered during soil sampling.



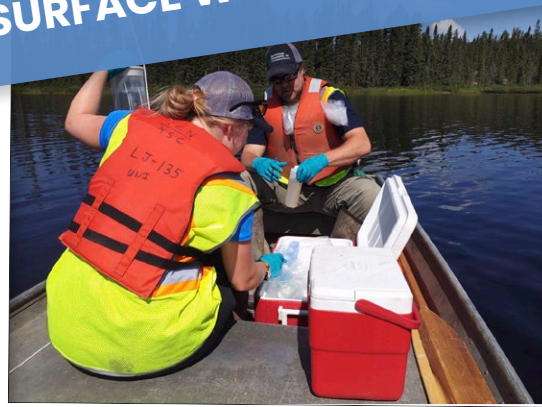
Digging in a soil pit!



Navigating the forest to get to the sampling site.



## SURFACE WATER QUALITY



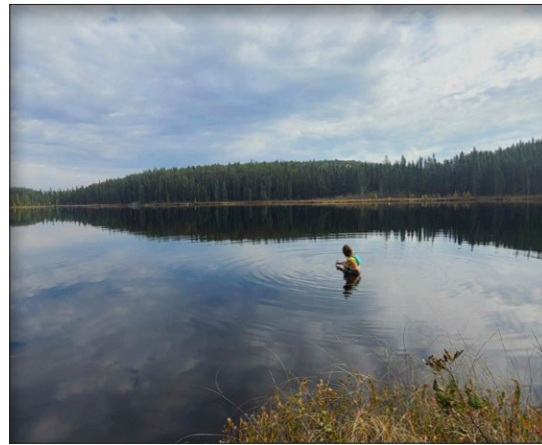
The first surface water samples collected on a pond in the AOI.



Using a kemmerer to collect mid depth water samples at a pond in the AOI.



The launch point on Mennin Lake.



Water sampling in the shallow ponds in the AOI.



The arduous task of connecting the WQ meter to bluetooth or rather... waiting for it to reconnect.



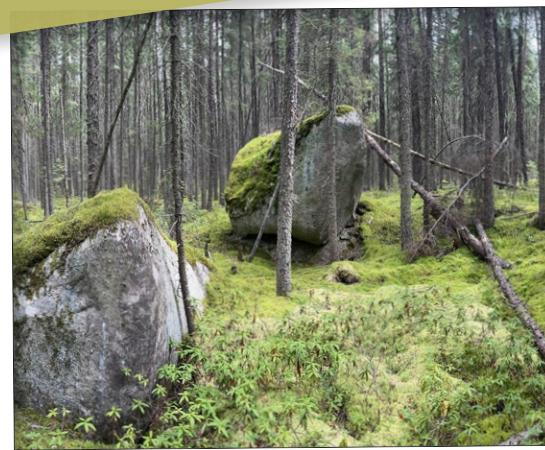
Accessing remote sites by helicopter.



# TERRESTRIAL ECOSYSTEM MAPPING



Monotropa uniflora.



Boulders in a mature forest stand in the study area.



Possible wood thrush eggs encountered during TEM/HSM sampling.



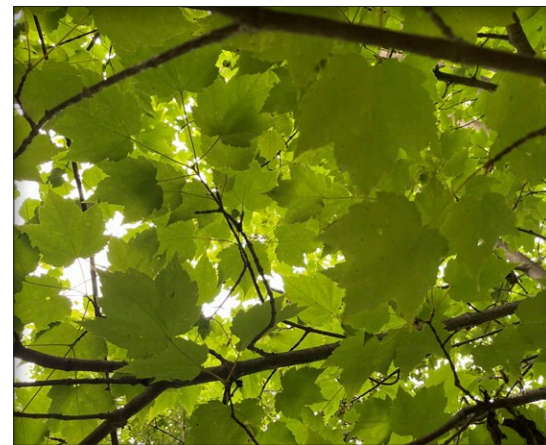
Female Ruffed Grouse encountered en route to TEM-HSM plots.



Raspberry foraging break.



Snapping Turtle scooting across trail, slowly of course!.



Red maple canopy.



American Toad observed at TEM-HSM plots.



Dragon's Mouth orchid (*Arethusa bulbosa*).



Spot the partridge!



Moose spotted in wetland near Ignace.





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