

# Youth Engagement in the north

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**UP NORTH ON CLIMATE**

Climate Change Impact and Adaptation  
Study for the North of Ontario

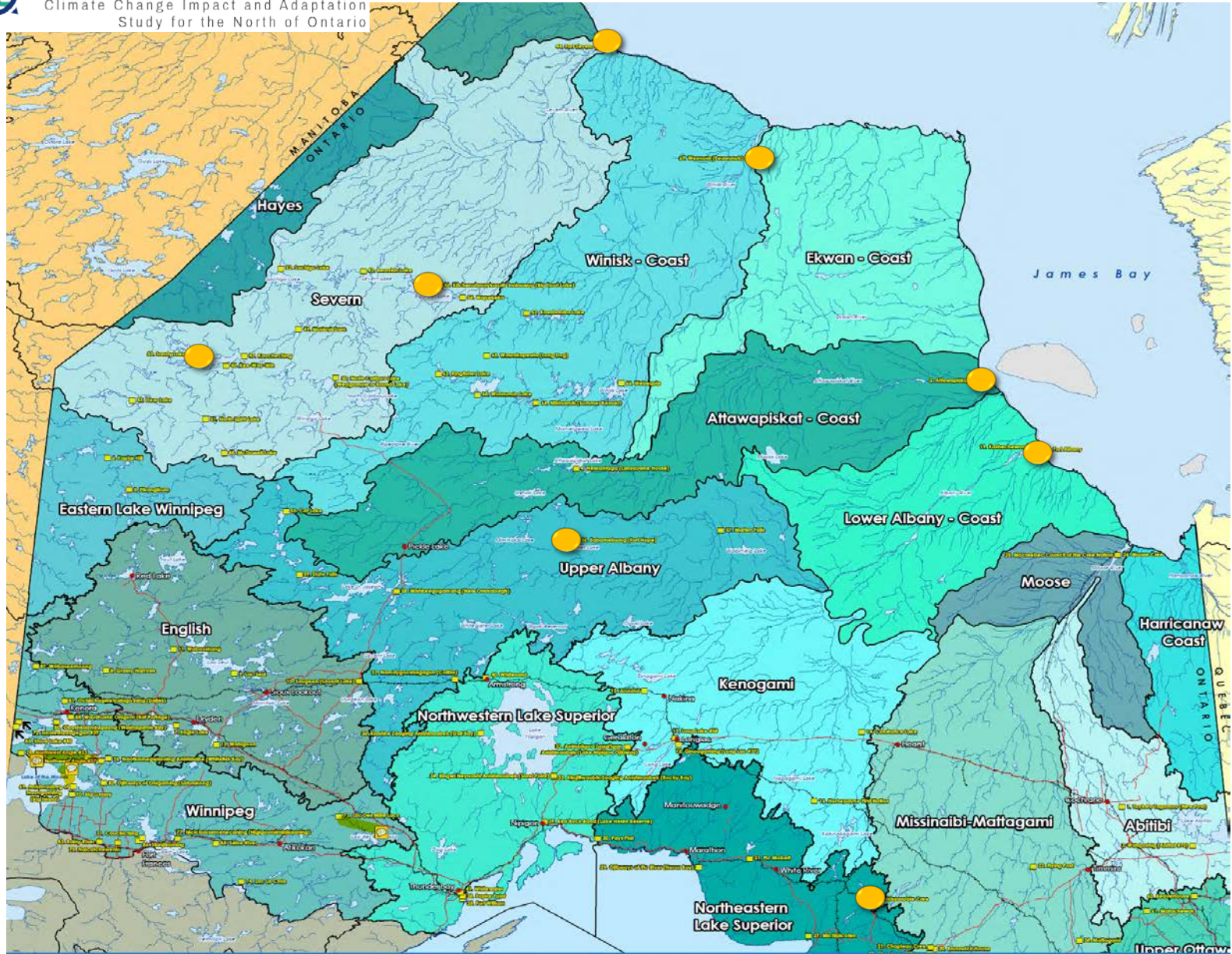


**Laurentian University**  
**Université Laurentienne**



# UP NORTH ON CLIMATE

Climate Change Impact and Adaptation  
Study for the North of Ontario



# Youth Outreach

## Benthic invertebrates with Ma-Tah-Ha-Mao Elementary

Peawanuck, October 2017



Aquatic invertebrates  
from Winisk River

# Youth Outreach

## Environmental Monitoring with Vezina High School

Attawapiskat, June 2017



Zak using a seine net to collect fish



Logan and Jack identifying plants

# Youth Outreach

## Environmental Monitoring with Vezina High School

Attawapiskat, June 2017

### Terrestrial Environments

Lowland



**Purpose:**

- Compare two different sites, upland and lowland
- Observe differences between the sites such as which is better for growth and which has more diversity
- Examine disturbed vs non-disturbed

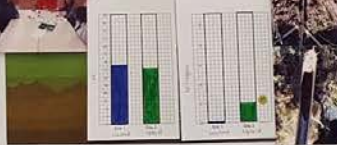
**Hypothesis:**

We think that that the upland site will be more diverse (support more plant species)

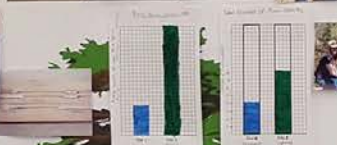
Upland



**Abiotic**



**Biotic**



**Conclusion:**

We found the upland site was able to support a greater variety of plant species than the lowland. Upland has more diverse environments. Trees also grow better in the upland environment. We found 40% of sites were very different.

Students:  
Jack, DJ,  
Zach, Ethan,  
Dylan, Jonah,  
Isabelle, Bridgette,  
Katie,  
Leanne,  
Liam,  
VSS  
VEZINA SECONDARY SCHOOL

### Aquatic Environments

Lake



**Purpose:**

- Compare two different sites, one in water by human activity
- How healthy are these different areas?

**Hypothesis:**

We think that the upland will have more water quality. We think the near road lake will be cleaner than the river.

River



**Abiotic**



**Biotic**



**Conclusion:**

We found the river site was better. It had more fish, more aquatic insects, more algae.

Students:  
Caitlin, Ethan,  
Jack, Jonah,  
Isabelle, Bridgette,  
Katie,  
Leanne,  
Liam,  
VSS  
VEZINA SECONDARY SCHOOL

# Youth Outreach

## Pond search and Carbons cycle for 9-13 year olds

Camp Chikepak, Missanabie, July 2017



Aquatic invertebrates



Greenhouse gases

# Youth Outreach

## Ecosystem restoration with Vezina High school

Attawapiskat, October 2017



Observing soil organisms under the microscope



Propagating willow with cuttings

# Youth Outreach

## Lake stratification

Kashechewan, 2016





# Youth Outreach

## Bug search

Kashechewan, 2016



# Youth Outreach

## Pond search with summer literacy camp

Fort Severn, 2016



# Youth Outreach

## Bug search with summer literacy camp

Fort Severn, 2016



# Youth Outreach Science Rocks the North



Facebook page interface for Science Rocks the North (@LWLYSOP). The page features a cover photo of three people in a forest setting, with one person writing in a notebook. The page includes navigation tabs (Page, Inbox, Notifications, Insights, Publishing Tools, Settings, Help), a search bar, and a post area with a text input field and a 'Community' button.



Science Rocks the North  
@LWLYSOP

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Interaction buttons: Liked, Following, Share, and a blue button labeled '+ Add a Button'.

Write something...

Community