

Great Lakes Water Quality: Community contributions and Canadian-Indigenous collaboration

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For the Lake Huron-Georgian Bay Community Action Initiative

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First, let's talk about language

Collaboration is not consultation.
Consider **togetherness**.

Marginalized → Excluded

Inclusivity → Shared, ethical spaces

Next, let's talk about actions

- ▶ Co-create!
- ▶ Ethics should be considered and addressed
- ▶ Reciprocity must be within program scope
- ▶ Ensure logistical infrastructure is present
- ▶ Recognize multiple ways of knowing

Arts and water

Previous examples

Great Art for Great Lakes

- ▶ 1,000+ members of the public - Canadian and Indigenous
- ▶ Permanent public art installations
- ▶ Water education and sharing





Grand Expressions

A Self-guided Tour



Water-themed creations by youth from
Six Nations of the Grand River



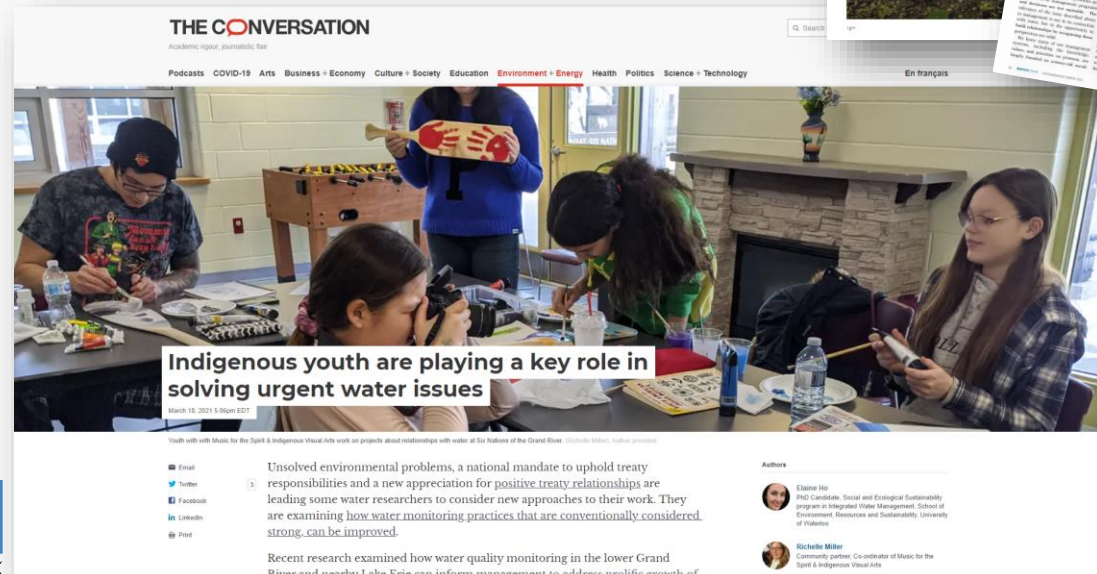
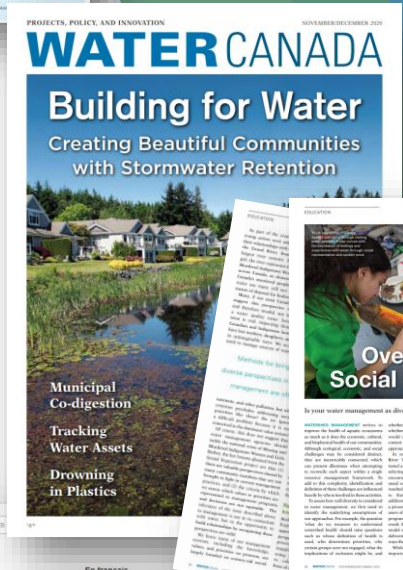
Organized in partnership between Elaine Ho (PhD Candidate, University of Waterloo) and
Music for the Spirit & Indigenous Visual Arts, with support from our generous hosts

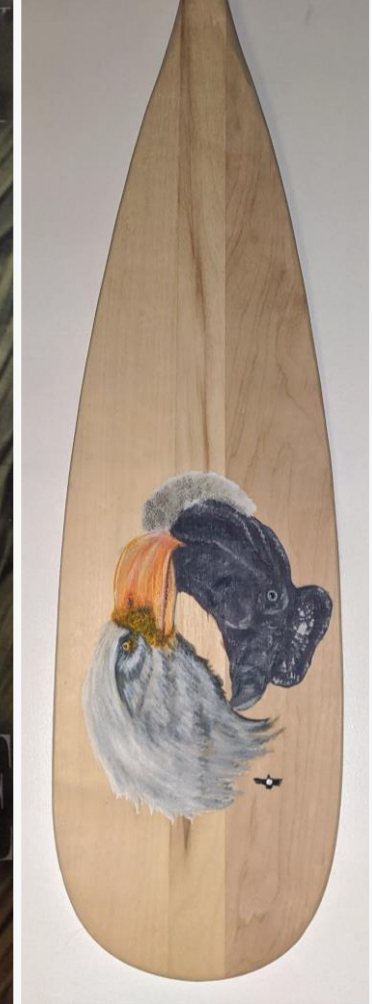


The Carolinian
CAFÉ & EATERY



Click image





The Lake Huron Collaborative

About

Purpose: improve collaboration and coordination between local watershed-focused activities in Lake Huron's North Channel.

Activities: (1) informational, (2) local actions, and (3) resourcing.

→ to support Lake Huron LAMP, Canada-Ontario Agreement, and/or Lake Huron Nearshore Assessment.

Five core partners



Invasive
Species
Centre



sault
naturalists



Educational resources:

- 10-minute demonstration of benthos sampling
- 20-minute walk-through of water pollution test kit

Procedures

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Big Lake

PCB Test S

Water Sample C

Water Sample D

Lead Sample

Lead Sample

E. coli

E. coli

Sample A

Sample B

Sample C

Sample D

Water Pollution Test Kit

Section 1 Chemical Product and
Science Take-Out 80 Office Park Way
Pittsford, NY 14533
(585)764-5400

Product Buffer Solution pH 7
"Water Sample A" (mul

Section 2 Hazards Identification

This substance or mixture has not been clas
according to the Globally Harmonized Syste
Classification and Labeling of Chemicals.

Signal word: WARNING
Pictograms: None required
Target organs: None known

GHS Classification:
Skin Irritation (Category 3)
Eye Irritation (Category 2B)

GHS Label information: Hazard statement(s)
H316: Causes minor skin irritation.
H320: Causes eye irritation.

Ca Prop 65 - This product does not contain any chem

Section 3 Composition / Inform

Chemical Name
Water
Potassium biphthalate
Sodium hydroxide

Section 4 First Aid Measures

INGESTION: Call physician or Poison Control
anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not bre

EYE CONTACT: Check for and remove conta
Get immediate medical attention.

SKIN ABSORPTION: Remove contaminated

Section 5 Fire Fighting Meas

Suitable Extinguishing Media: Use any me

Protective Actions for Fire-fighters: In fire
Use water spray to keep fire-exposed conta

Specific Hazards: During a fire, irritating an

Section 6 Accidental Release

Personal Precautions: Evacuate persone
ventilation.

Environmental Precautions: Avoid runoff

Containment and Cleanup: Absorb with li
with soap and water.

Section 7 Handling and Stor

Precautions for Safe Handling: Read lab
children. Avoid contact with eyes, skin and
thoroughly after handling. Remove and wa

Conditions for Safe Storage: Store in a c

PCB Test S



PCB Test Strip

A B C D

Safe NOT Safe

Safe NOT Safe

Testing for Lead

- Place 4 drops of the water sample into a clean well on a plastic well strip.
- Add 2 drops of Lead Indicator Solution to the well.
- Compare the color of the contents of the well to the color scale below.
- Record whether the lead level is safe or not safe.

Safe NOT Safe

Testing for E. coli Bacteria

- Place 4 drops of the water sample into a clean well on a plastic well strip.
- Add 2 drops of E. coli Stain to the well.
- If the stain turns the sample blue, E. coli are present.
- Record whether the E. coli level is safe or not safe.

Safe NOT Safe

Thank you!

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