



## Lac Ste. Anne and Lake Isle Water Quality Management Society (LILSA)

### Executive Meeting

Jan 30, 2024 - 7:00 PM

Online (Zoom)

#### In attendance:

Bernie Poulin  
Kelsie Norton  
John Cassano  
Keir Packer  
Debbie Durocher

Ray Hutscal  
Jenna Carter

#### Regrets:

Kevin Lovich  
Tracy Friedel  
Connie Stonehouse

Brian Brady  
Michael Findlater

Meeting started at 7:00 PM

Bernie P. provided a land acknowledgement.

#### 1. Approval of the agenda

***MOTION:** Ray H. moved the adoption of the agenda as presented, unanimously accepted - passed.*

#### 2. Minutes Nov 288/23

***MOTION:** Debbie D. moved the adoption of the Nov/23 minutes, unanimously approved – passed.*

#### 3. Financials

Bank Balance as of January 2023: \$ 20,515.86

***MOTION:** Kelsie N. moved to accept financials as presented. Unanimously approved – passed.*

#### 4. AISC Conference

Alberta Invasive Species Council is hosting their annual conference on March 19, 20 + 21 hosted at Olds College.

***MOTION:** Ray H. makes a motion for LILSA to send Kelsie N. to the AISC, for the maximum cost of \$1,000.*

## 5. SnoMo Days

Family Day weekend, Feb 17-19, 2024.

Connie S. may have the LILSA banner, and the promotional material is at the Alberta Beach office.

**ACTION:** Ray H. to connect with Connie S. to see if there's interest in representing LILSA with an outreach table at SnoMo Days.

## 6. Maverick Future Request

Kelsie N. provided feedback towards satellite project through email.

- It would be difficult from satellite imagery to classify sewage vs algae forming and moving on the lake without on the ground water sampling.
- The project with ABMI + ALMS is using satellite imagery to develop a predictive model for cyanobacteria blooms in lakes in year 2/3 and ALMS thinks they'll eventually be able to do this for Lac Ste. Anne for free.

There is interest in getting drone flyovers at multiple locations and to target certain areas in Lac Ste. Anne County, Ross Haven, Alberta Beach, Val Quentin, etc. However, we need to prove that this method is valid in detecting septic seepage into the lake. Conversation turns towards applying this at Lake Isle (silver sands to south view) rather than multiple locations. There's roughly 5 km of shoreline around Silver Sands, including LSAC – this area contains the outlet point for the Sturgeon River.

**ACTION:** Bernie will get a map and add priorities (Silver Sands (1) + Ross Haven (2)) and forward it to John. John will then get a quote for one area, 3 visits. LILSA Will still dedicate \$10k.

## 7. 2024 Committee's

Flowering Rush: Bernie

- Still have some funding to do some monitoring for year 3. Have not applied for another grant at this stage.

Water Quantity: Ray

- Spoke with Garrett, who assisted with the Wizard Lake weir. The biggest item is needing consensus from the lake community. There are different types, i.e. adjustable vs flow over the top. Will start to develop an approach to this. Rebecca Shultz will connect to look at feasibility especially with drought conditions. Kelsie scanned 1980 study to Ray, stated there would be downstream flooding effects, specifically to Big Lake.

Water Quality: Kelsie

- Through NSWA, a water quality analysis was completed for the Sturgeon River Sub-watershed, detected hot spots and areas of concern for Phosphorus, Nitrogen, E.Coli, Dissolved Oxygen and Chloride. Currently in the process of creating an information 2-pager that can be shared. The data will eventually go to a GOA Limnologist for further investigation.

## **8. Weir**

See Agenda Item 7 for weir (water quantity) update.

## **9. Outreach/Webpage Update**

Membership form is in development. Will upload to website when complete.

## **10. Round Table**

**Bernie:** Lack of snow is concerning. There have been strides made to elevate the role that Summer Villages have in elevating lake health. Need to make them more prominent and acknowledged, making a case for year-round municipalities. Proposing to the government a different way of grant funding, as SV's take on priority initiatives around environmental, wastewater, etc.

**Ray:** Will connect and support Bernie's effort and to enhance consistent messaging.

**John:** Recently came across the LGSonic system which uses ultrasound on algae. Floating buoy with solar panels, ultra sonic emitters under the water. Emits the same as a fish finder, 800m range knocks algae into lower water column, prevents it from growing. Does water quality monitoring. Will circulate information.

**Jenna C:** Hosting a community event tomorrow, which will showcase presentations on climate change and water sovereignty from interns from the UofA that started in October.

**Kelsie N:** New ALUS Coordinator at Lac Ste. Anne County.

Save the date for the Lake Stewardship CoP May 29, 2024 at the snow valley lodge.

**Next Meeting Nov Feb 22/24 In-person - Online via Zoom**

**Adjournment @ 7:44 PM**