

BCLSS Newsletter

August 2023



Jade Lake by Marie McCallum

In This Newsletter:

- [Register](#) for the 2023 BCLSS AGM
 - [Attend the BCLSS Conference virtually](#)
 - New lake report: Ten Mile Lake
 - Events and reminders
 - The latest freshwater news
-

BCLSS Annual General Meeting



BCLSS

BC Lake Stewardship Society 2023 Annual General Meeting

Garibaldi Lake by Kambojika

Calling all BCLSS members! Please join our Annual General Meeting on Tuesday, September 12th, 2023 at 12:00 pm (PDT). This meeting will be held via Zoom.

Please register in advance for the meeting [here](#). After registering, you will receive a confirmation email containing information about joining the meeting.

Please note that you must be a member in good standing to vote at our AGM.

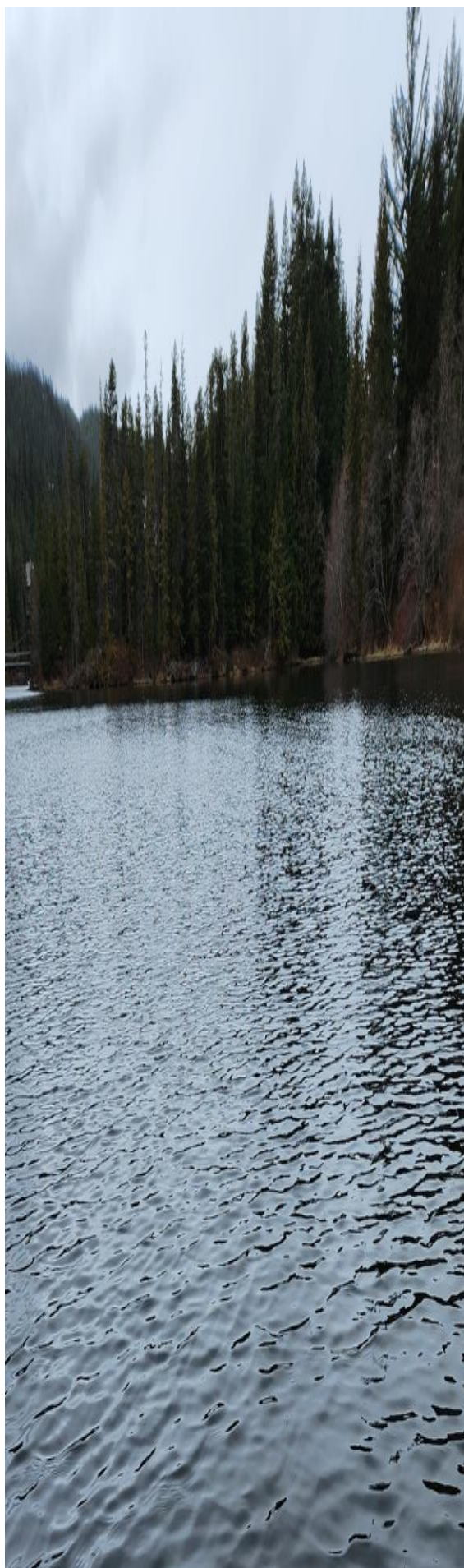
Nominations for the BCLSS Board of Directors are not taken from the floor at the AGM. Letters of intent and nominations can be submitted to the BCLSS at info@bclss.org by September 1st. More information can be found [here](#).

The 2023 Secchi Dip-In


This year, we have received 68 dips from 46 lakes so far. Thanks to a generous donation from [TruEarth](#), we will be providing 30 participants with a pack of 32 laundry strips. Stay tuned for this year's Secchi Dip-In report!

Thanks to everyone who participated this year. Please [share this event](#) with your friends and family so that we can increase participation in future years. These annual snapshots can be put together to form a changing picture of transparency over time.


Data submission deadline extended to **Aug 31, 2023**. Send your completed forms to marie@bclss.org or submit on the [BCLSS website](#).



New Lake Report: Ten Mile Lake



BC Lake Stewardship and Monitoring Program
Ten Mile Lake 1980 & 1999-2021
 A partnership between the BC Lake Stewardship Society
 and the BC Ministry of Environment and Climate Change Strategy



BRITISH COLUMBIA
 Ministry of
 Environment and
 Climate Change Strategy

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The Importance of Ten Mile Lake & its Watershed

British Columbians want lakes to provide good water quality, aesthetics, and recreational opportunities. When these features are not apparent in our local lakes, people may begin to wonder why. Concerns often include whether the water quality is getting worse, if the lake has been impacted by land development or other human activities, and what conditions will result from more development within the watershed.

The BC Lake Stewardship Society (BCLSS), in collaboration with the Ministry of Environment and Climate Change Strategy (ENV), has designed a program, entitled *The BC Lake Stewardship and Monitoring Program*, to address these concerns. With regular water sample collections, we can come to understand a lake's current water quality, identify the preferred uses for a given lake, and monitor water quality changes resulting from land development within

the lake's watershed. Through regular status reports, the BCLSSMP provides communities with recent monitoring results specific to their local lake and educational material on lake protection issues in general. This useful information can help communities play a more active role in the protection of the lake resource.

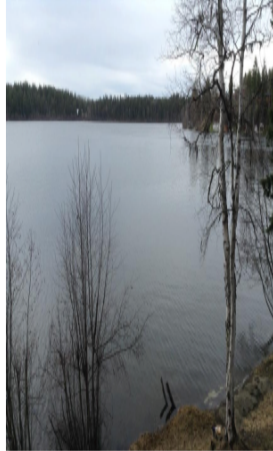
There are different levels of lake monitoring and assessment with increasing levels of complexity. More information on the levels of lake monitoring can be found on the BCLSS website [Programs](#) page. The appropriate level of monitoring for a particular lake depends on the funding, human resources available, and the specific issues being addressed. In some cases, data collected as part of a lower level program can point to the need for a more in-depth higher level program. This report gives the 1980 and 1999 to 2021 results of a Level I volunteer program for Ten Mile Lake. A previous report was written on Level II data collected from 1980, 1999, 2000, and 2002-2007 and can be found in the BCLSS website [Library](#). Level I Secchi depth and temperature data were collected by volunteers who have provided a very thorough and consistent dataset.

Ten Mile Lake Watershed

A **watershed** is defined as the entire area of land that moves the water it receives into a common waterbody. The term watershed is misused when describing only the land immediately around a waterbody or the waterbody itself. The true definition represents a much larger area than most people normally consider. The Ten Mile Lake watershed area is 20 km² (Figure 2).

Watersheds are where much of the hydrologic cycle occurs and play a crucial role in the purification of water. Although no "new" water is ever made, it is continuously recycled as it moves through watersheds and other hydrologic compartments. The quality of the water resource is largely determined by a watershed's capacity to buffer impacts and absorb pollution.

Every component of a watershed (vegetation, soil, wildlife, etc.) has an important function in maintaining good water quality and a healthy aquatic environment. It is a common misconception that detrimental land use practices will not impact water quality if they are kept away from the area immediately surrounding a waterbody. Poor land use practices in a watershed can eventually impact the water quality of the downstream environment.



We recently published the Ten Mile Lake Report on our website which summarizes data from 1980 & 1999-2021. This long-term, consistent dataset was collected by a very dedicated volunteer, Bert Sturt.

Ten Mile lake is located approximately 12 km north of Quesnel in the Cariboo region of BC on the traditional territories of T̓silhqot̓in Nən, Dakel Keyoh, and D̓en̓éndeḥ First Nations.

[Read the report here.](#)

Registration for Virtual Conference Attendance is Now Open!

We are excited to be hosting our annual conference in person this year! Our in-person spots filled up fast and we have had many requests for a virtual attendance option, so here it is! If you would like to attend any of the educational talks, please register at the links below. Space is limited, so register early to save your spot.

Please note that this event was designed to be in-person, so we cannot guarantee online meeting quality. With limited time for questions for each speaker, priority will go to in-person attendees. The in-person event includes field portions that we will not be able to include in the zoom meeting.

[Day 1 \(September 23\) Registration](#)

[Day 2 \(September 24\) Registration](#)

You can find the preliminary conference agenda [here](#) and meet the speakers [here](#).

Registration for virtual attendance is free. Please consider [making a donation to the BCLSS](#) so that we can continue to offer events and programs at affordable rate.

Please contact info@bclss.org if you have any questions.

TruEarth Fundraiser

Support the BCLSS by shopping Tru Earth's back to school sale! Try out some great plastic-free cleaning products. BCLSS will receive 20% of every purchase made through our link.

The sale runs from August 1st to September 4th.

[Shop TruEarth here.](#)

WEEKLY
SPECIALS

TRU EARTH

BACK TO SCHOOL

AUG 1-SEP 4, 2023

TRU CLEAN
BACK TO SCHOOL
BUNDLE →

SAVE
36%
ON
THIS BUNDLE



Announcements and Reminders:

Attention Boaters - Be Aware of BC Wildfires

Before heading out on a lake, please check [Emergency Info BC](#) and [BC Wildfire Service](#) for updates. Stay away from water bomber planes and their pathways. Ensure you follow direction from your local authorities and emergency responders and obey waterway restrictions that are in effect. Wildfires can be reported to *5555 on a cellphone or 1-800-663-5555 toll-free. Please share this message with fellow boaters!

Lake Blitz Summer Speaker Series: Why do we need Natural Lake Shorelines?

Learn how natural shorelines provide wildlife habitat and support ecosystems and biodiversity, while mitigating risks associated with climate change, such as flooding and erosion during this webinar. Join [Living Lakes Canada](#) and the [Stewardship Centre for British Columbia](#) on August 30, 2023 from 3:30-4:30 pm (PDT). [Register here](#).

BCLSS & A-FRAME Brewing Company

BCLSS is A-FRAME Brewing Company's #payingitforward recipient for July & August. Stop by A-FRAME Brewing if you pass through Squamish this summer to try some of their lake themed beer. All of their SQUAMISH clothing merchandise items are part of the Paying It Forward initiative where \$5 per item sold goes to support a local organization in a 2 month period. [Learn more here](#).

Harmful

Algae

Blooms

The Summer 2023 edition of the "LakeLine" publication of the North American Lake Management Society (NALMS) has arrived, and is dedicated entirely to scientific articles about harmful algae blooms. BCLSS is a proud member of NALMS, and happy to share that this digital edition is open to everyone! Access the publication [here](#).

Registration is Open for NALMS and PALMS 43rd International Symposium!

The Symposium will be held October 22-26, 2023 in Erie, Pennsylvania. Both attendee and exhibitor registrations are now open, as well as registrations for workshops and field trips. [Learn more and register here](#).

CBC on BC Lakes

Over the past month, CBC has been highlighting lakes in BC through their Search for BC's Best Lake program, and through radio and TV interviews and news articles. Find out which lake won the contest [here](#).

Lynn Kriwoken, the President of the Whistler Lakes Conservation Association was recently interviewed by CBC at her cabin on Alta Lake in Whistler, BC. You can watch the interview [here](#) to learn more about the importance of monitoring our lakes and why we need citizen scientists. [Listen to this radio segment](#) to hear more from Lynn and Norm Zirnhelt, the BCLSS Executive Director on how climate change is impacting lakes.

Opportunities

Green Shores Project Manager - Stewardship Centre for British Columbia

The [Stewardship Centre for British Columbia](#) is seeking an experienced Project Manager for a Green Shores for Shoreline Development Project in the Lower Mainland of BC. Application deadline is 5:00 pm, Thursday, August 24, 2023. [Learn more and apply here.](#)

Communications Coordinator - Pacific Salmon Foundation

[Pacific Salmon Foundation](#) is looking for a full-time communications coordinator. Application deadline is September 15, 2023. [Learn more and apply here.](#)

Communications Specialist - Watershed Watch Salmon Society

[Watershed Watch Salmon Society](#) is seeking a full-time, permanent communications specialist. Applications accepted until the position is filled. [Learn more and apply here.](#)

News and Information:

- [Beating the heat: 6 sustainable solutions for a cooler home](#)
- [Field Guide to Aquatic Invasive Species for British Columbia](#)
- [Why B.C.'s lakes inspire legends and myths of monsters](#)

- Volunteers step up to fill in gaps in government monitoring of B.C. lakes
- Cyanobacteria's game of blooms: fast track or endurance run?
- Managing phosphorus levels to prevent algae blooms
- Survey for Anglers: [Exploring New Ways to Predict Angling Pressure and Catch Rates For Canadian Waters](#)



Not a member of the BCLSS yet?

Please consider joining our network of lake stewards! For more information on the benefits of membership, [visit our website](#).

Were you forwarded this newsletter? [Subscribe today](#) to get monthly updates on stewardship activities, lake science, and much more delivered to your inbox!

The BCLSS acknowledges that the lake stewardship activities of our staff, directors, and volunteers take place on the traditional, ancestral, and unceded lands of First Nations Peoples throughout British Columbia. We recognize that Indigenous Peoples have stewarded these lands and waters for generations and we are grateful to the Elders, Traditional Knowledge Keepers, and youth that implement their knowledge and traditional laws to preserve water and life for the benefit of all.



We gratefully acknowledge the financial support of the Province of British Columbia through the Ministry of Municipal Affairs and the Ministry of Environment and Climate Change Strategy.



[Donate to the BCLSS](#)



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