

## Important Reminder

### The 2022 Turtle Lake Watershed AGM

**The 2022 AGM will be held 7:00 pm, Thursday July 28, 2022 at the Turtle Lake Mission.**

**Elected Representatives of the RV of Kivimma-Moonlight Bay, the RV of Turtle View, the RM of Mervin, the RM of Parkdale and the Thunderchild First Nation have been invited to make presentations focused on the issues Turtle Lake and surrounding area are experiencing today and what changes, if any, they foresee or would like to see for Turtle Lake and area in twenty years in 2042.**

**This is a rare opportunity for the people who know and love Turtle Lake to attend to hear and question those local elected government officials who are largely responsible what happens or doesn't happen around Turtle Lake.**

### Related Documentation for the AGM

1. [2022 TLWI July 28, 2022 Tentative Agenda](#)
2. [2021 TLWI AGM Minutes](#)
3. [2021- 2022 TLWI Financial Statement](#)
4. [2021-2022 TLWI Audited Balance Sheet](#)

## News and Observations

### Water Levels

- As of July 7, 2022 the lake water level has risen vertically 54.2 cm or 20.6 inches from the lake level of October of 2021. The water level has started to drop as the July 15, 2022 measurement was 48.3 cm or 19 inches above the level of the weir. The recorded high is 59 cm or 23.2 inches above the weir in measured in July of 2020.
- Each 1 cm change in water level at Turtle Lake requires the addition or subtraction of 64,000 cubic metres of water.



- To raise the lake water level by 54.2 cm or 19 inches requires the addition of approximately 34.7 million cubic metres of water. 1 cubic metre =1000 litres equal to the 1000 litre tote to the left

### Algae Growth

- To date, the ugly, smelly algae bloom of 2021 has not returned to Turtle Lake but could yet reappear with a prolonged period of hot dry weather. "Green Things" have been reported to be lurking in the shallow water just waiting for the right conditions for the opportunity to multiply.

### Water Sports

- Fewer boats appear to out on the water, particularly those of high horsepower.
- More kayaks, canoes, and paddle boards have been out on the water
- Fewer Wake boats are to be seen on the lake
- Those Wake Boats on the lake were usually using deeper water for wakeboarding.

## Water Testing

- The TLWI collected water samples for testing at the traditional location west of Indian Point on July 15. The surface water temperature was 19C - 20C and the Secchi Disk was visible to 2.5 m below the surface. In 2021 the surface water temperature was 23C and the Secchi Disk was visible only to 1.5 m below the surface
- The **Canadian Water Rangers Program** ( [www.waterrangers.ca](http://www.waterrangers.ca) ), a part of world-wide citizens science program, has four registered and trained volunteers collecting and testing water samples on the Turtle Lake this season. The Water Rangers program using advanced technology is designed to collect, test and provide public access to the test results on the web quickly.
  - To view the Water Ranger Turtle Lake water test data . [Click to View](#)
  - Turtle Lake, particularly the shallow north end, requires water testing. If you are regularly out on the lake we would encourage you to volunteer and take the training for next year. The more water test taken the more is known about the lake. [Click for More Information](#)

## The Turtle Lake Watershed will Miss the North Saskatchewan River Basin Council

- The Saskatchewan Association of Watersheds ([SAW](#)) is in the process of being reorganized and largely repurposed to access Federal government funding from the \$40 million dollar Agriculture Agri-Food Canada's On-Farm Climate Action Fund, designed to focus on three categories: rotational grazing, nitrogen management and cover cropping. [See official Press Release](#)
- The North Saskatchewan River Basin Council ([NSRBC](#)), an organization that representing the area in Saskatchewan draining into the North Saskatchewan River, will cease to exist after the SAW reorganization. The TLWI has worked closely with the NSRBC on environmental issues such as
  - NSRBC technicians (under contract with the TLWI) have been responsible for collecting water samples and transporting them to the [SRC Lab](#) in Saskatoon.
  - the "[Love Your Lake](#)" program that assessed and documented the ecological health of Turtle Lake and other lakes in N Saskatchewan River Basin.
  - The Shoreline Stabilization program - The trees and shrubs distributed by the TLWI every spring were a result of that program
  - NSRBC technicians presently collect water samples, from local lakes, including Turtle Lake for the Saskatchewan Ministry of the Environment, for the detection and monitoring of aquatic Invasive species such as Zebra Mussels.
  - The NSRBC regularly hosts online meetings between regional watersheds Turtle Lake, Jackfish Lake, Emma-Christopher etc for the purpose of information exchange
- The future of the many projects, publications, services, and data sets generated and produced by the NSRBC is still unknown. Possibly they will be delivered by Saskatchewan Department of Agriculture considering Sask WaterSecurity services are provided through the Saskatchewan Department of Highways.

## Controlling Watercraft Access and Speed

- RV of Kivimma Moonlight Bay will deploy this week buoys, with this message, across a large section of their bay at an expected cost of \$3000
- South Bay plans to do so soon
- The TLWI has not yet agreed upon the wording of signage to encourage Wake Boarding and Jet Boat Acrobatics only in waters greater than 3 m or 15 feet in depth to lessen damage to the lake bottom.
- To View TLWI 2022 April Newsletter #1 [Click Here.](#)

