

**North Bay-Mattawa Conservation Authority  
Members Meeting for March 11, 2026  
at 4:00 pm IN PERSON AND via ZOOM  
NBMCA's Marc Charron Boardroom  
15 Janey Avenue, North Bay, Ontario**

## AGENDA

### Procedural Matters

1. Acknowledgement of Indigenous Traditional and Treaty Lands
2. Declaration of Conflicts of Interest
3. Approval of the Agenda
4. Adoption of Previous Minutes of February 11, 2026 – Page 2
5. Delegations
  - 5.1. None
6. Correspondence
  - 6.1. None

### Business Reports

7. OSS Year-end summary – 26-OSS-01 – Page 6
8. OSS Staffing Update – verbal
9. Integrated Watershed Management Program – Presentation – Page 8

### Other Business

10. New Business
11. Closed meeting
  - 11.1. Adoption of Minutes from Closed Meeting of February 11, 2026
  - 11.2. Client privilege includes communications necessary for that purpose and personnel matters about identifiable individuals.
  - 11.3. Property matter
12. Other Business
13. Adjournment

### Zoom Link

<https://zoom.us/j/99670125620?pwd=am5HqDufytHfxYOxJTv2wksW7s1COw.1>

Meeting ID: 996 7012 5620

Passcode: 286423



# North Bay-Mattawa Conservation Authority Board of Director's Meeting

Board of Director's Meeting No. BOD-02-26  
February 11, 2026  
15 Janey Avenue, North Bay, ON P1C 1N1 and Zoom

## Meeting Minutes

### Member(s) Present (in person)

Callander, Municipality of	Grant McMartin
Calvin, Township of	Bill Moreton
East Ferris, Municipality of	Lauren Rooyakkers
Mattawa, Town of	Loren Mick
Mattawan, Municipality of	Michelle Lahaye
North Bay, City of	Chris Mayne
North Bay, City of	Lana Mitchell
North Bay, City of	Peter Chirico

### Member(s) Present (Zoom)

Papineau Cameron, Township of	Shelley Belanger
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### Also Present

Engineering & Development Officer	Githan Kattera
Planning & Development Officer	Hannah Wolfram
CBO, Manager, OSS Program	Kris Rivard
Manager, DWSP	Liza Vandermeer
Community Relations Coordinator	Paula Loranger

1. Acknowledgement of Indigenous Traditional and Treaty Lands

The meeting was called to order at 4:05 pm, and the acknowledgement of Indigenous Traditional and Treaty Lands was read by Peter Chirico.

2. Declaration of Pecuniary Interest

None Declared.

3. Adoption of Agenda

Resolution #37-26

Moved by Lauren Rooyakkers

Seconded by Bill Moreton

**THAT** the Agenda for the February 11, 2026 meeting of the Board of Directors be approved as presented. **Carried**

4. Delegations

None.

5. Correspondence

5.1 None.

6. Program Fee Updates

Resolution #38-26

Moved by Peter Chirico

Seconded by Chris Mayne

**THAT** the fee schedules appended to the board report 26-FIN-01 be approved for a 30-day consultation period and subsequent implementation. **Carried.**

7. Section 28 Summary

Resolution #39-26

Moved by Bill Moreton

Seconded by Lauren Rooyakkers

**THAT** the members receive and approve report 26-PD01 as presented and append to the minutes. **Carried.**

## 8. Floodplain Mapping Report

Resolution #40-26

Moved by Loren Mick

Seconded by Shelley Belanger

**THAT** the Board of Directors receive report 26-IWM-01 for information and acknowledge the implementation of the FHIMP multi-project Transfer Payment Agreement for the Centennial Creek and Lansdowne Creek Floodplain Mapping Projects;

**THAT** the Board of Directors of the North Bay–Mattawa Conservation Authority receive and acknowledge the FHIMP Transfer Payment Agreement for the Centennial Creek and Lansdowne Creek Floodplain Mapping Projects;

**AND FURTHER THAT** the Board authorize staff to proceed with the necessary steps to implement the projects, including the procurement of a qualified consultant and the initiation of the projects. **Carried**

## 9. Floodplain Mapping Presentation

Members thanked Githan Kattera for his presentation. Resolution #40-26 was passed (see above).

## 10. OSS Staffing Report

Kris Rivard, CBO, Manager, OSS Program gave a verbal update on the hiring of a new inspector to assist with inspections and the mandatory maintenance inspections (over 250 in 2026). Applicants have been shortlisted to 5 and have a target day of March 1 to start.

## 11. New Business

11.1 Grant McMartin mentioned that it was brought to the Municipality of Callander's attention, that there was a dump truck on Callander Bay. It was mentioned that we regulate the shoreline and not the water and that the Ministry of Natural Resources should be contacted.

11.2 As the minutes from the January 14, 2026 meeting were the AGM minutes, they will be approved in January 2027 (posted to website as draft). Staff will send the draft minutes and a link to the section of the website with the minutes to the clerks moving forward.

## 12. Closed Meeting

Resolution #41-26

Moved by Grant McMartin

Seconded by Bill Moreton

**THAT** the meeting moves into a closed session at 5:02 pm to discuss client privileges including communications necessary for that purpose and personnel matters about identifiable individuals. **Carried**

Resolution #45-26

Moved by Shelley Belanger

Seconded by Michelle Lahaye

**THAT** the meeting moves out of the closed session and back into an open meeting at 5:50 pm. **Carried**

## 13. Adjournment

Resolution #46-25

Moved by Peter Chirico

Seconded by Grant McMartin

**THAT** the meeting be adjourned at 5:52 pm and the next meeting be held on Wednesday March 11, 2026, or at the call of the Chair. **Carried**

**X**

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Lana Mitchell  
Chair

**To:** The Chairperson and Members of the Board of Directors

**Origin:** Kristopher Rivard, CBO, Manager, OSS

**Date:** March 11, 2026

**Report#/Subject:** Report No. 2026-OSS-01  
On-site Sewage System Program  
January to December 2025

**Background:**

Table 1: Summary of the OSS Program - 2021-2024

<b>Permits/Inspections</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
Permits Received	1119	910	770	711
Complaints/Concerns Addressed	24	12	19	47
Legal Inquiries	355	383	235	335
Expansion/Renovation Files Reviewed	175	158	177	148
Inspections (First)	1087	880	775	693
Inspections (Second)	880	815	768	678
Inspections (Third)	819	854	996	798
Inspections (Mandatory Maintenance)	202	110	96	104

**Analysis:**

Table 2: Summary of permits issued from January to December 2025

<b>Permits/Inspections</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Total</b>
Permits Received	33	243	257	148	681
Complaints/Concerns Addressed	1	5	3	5	14+25*
Legal Inquiries	40	117	78	69	304
Expansion/Renovation Files Reviewed	28	53	38	22	141
Inspections (First)	30	209	251	170	660
Inspections (Second)	10	123	264	242	639
Inspections (Third)	68	189	244	299	800
OSS Planning Proposals					88

**Recommendation/Recommended Resolution:**

That the Board receive for information only, Board Report No. 2025-OSS-01 On-site Sewage System Permits – January to September 2025 Summary.

**Reviewed by:**

Liza Vandermeer, General Manager

# NBMCA Members Meeting

By Angela Mills

March 11, 2026



Pine Lake



## Integrated Watershed Management Program

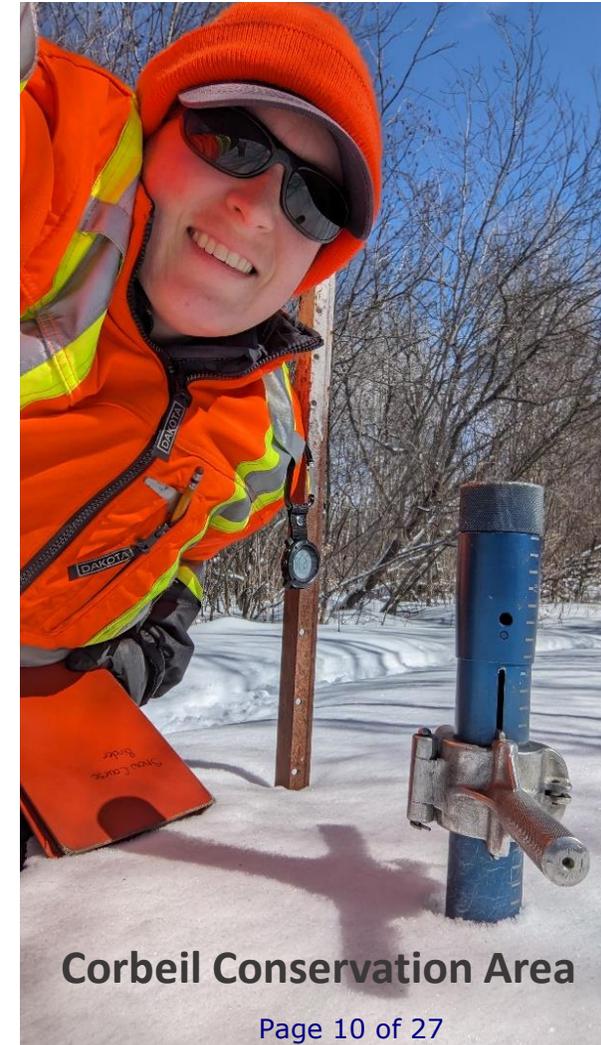
# IWM Program Areas

- Flood Forecast and Warning (FFW)
  - Snow Surveys
- Ontario Low Water Response (OLWR)
- Stream sampling
  - Provincial Water Quality Monitoring Network (PWQMN)
  - Supplemental sampling at non-PWQMN sites
  - Benthic macroinvertebrates (OBBN)
- Lake Sampling
  - Lake Partner Program (LPP)
- Groundwater monitoring and sampling
  - Provincial Groundwater Monitoring Network (PGMN)

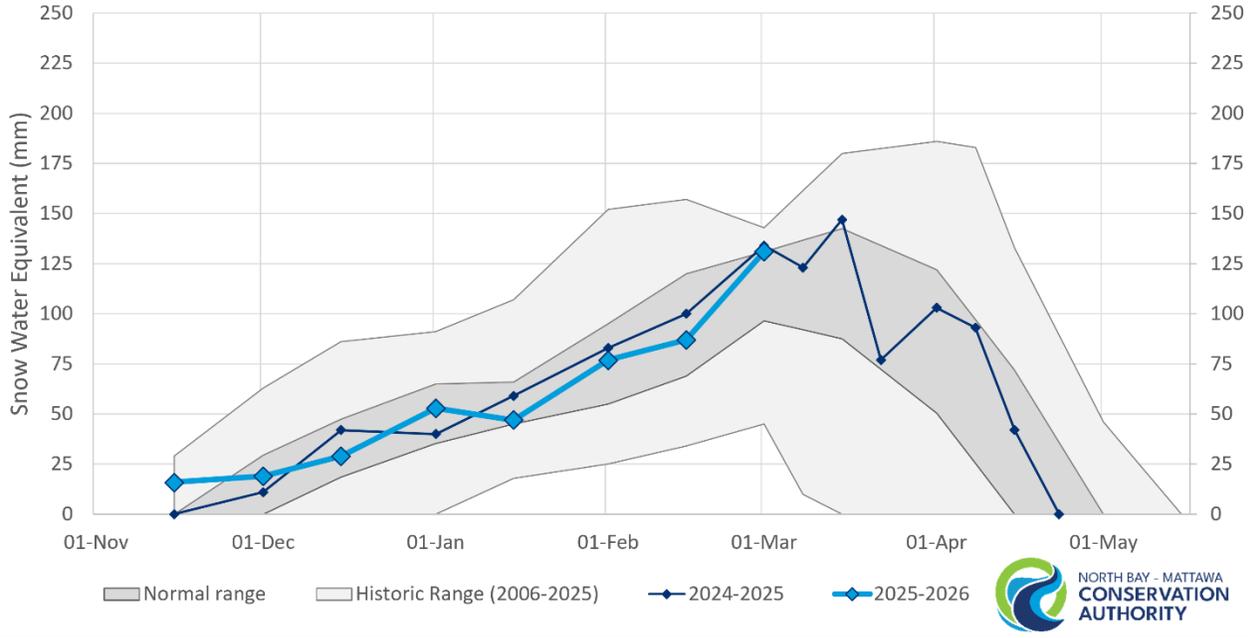


# Snow Survey 2025

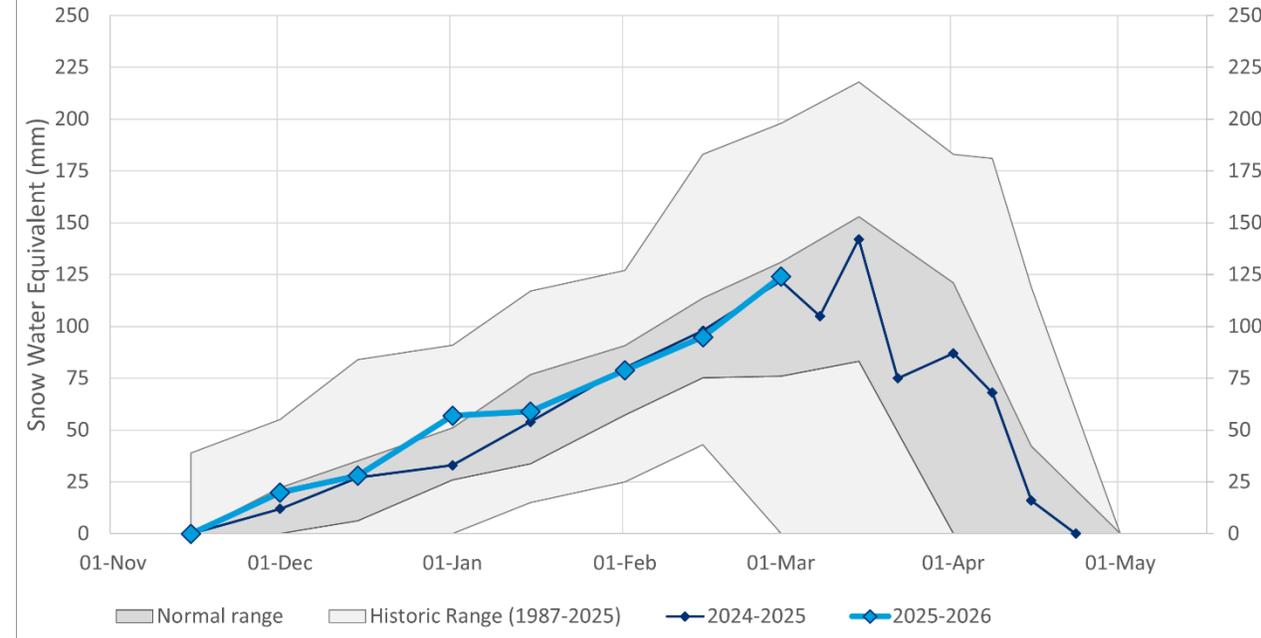
- Snow Survey was completed January – May as part of the 2024/2025 season and November - December for the 2025/2026 season
- Three sites are surveyed, with 10 measurements of snow depth and weight taken at each site
- The snow water equivalent (water content) is calculated out of these measurements



Shirley Skinner Conservation Area Snow Water Equivalent (Mar 02, 2026)

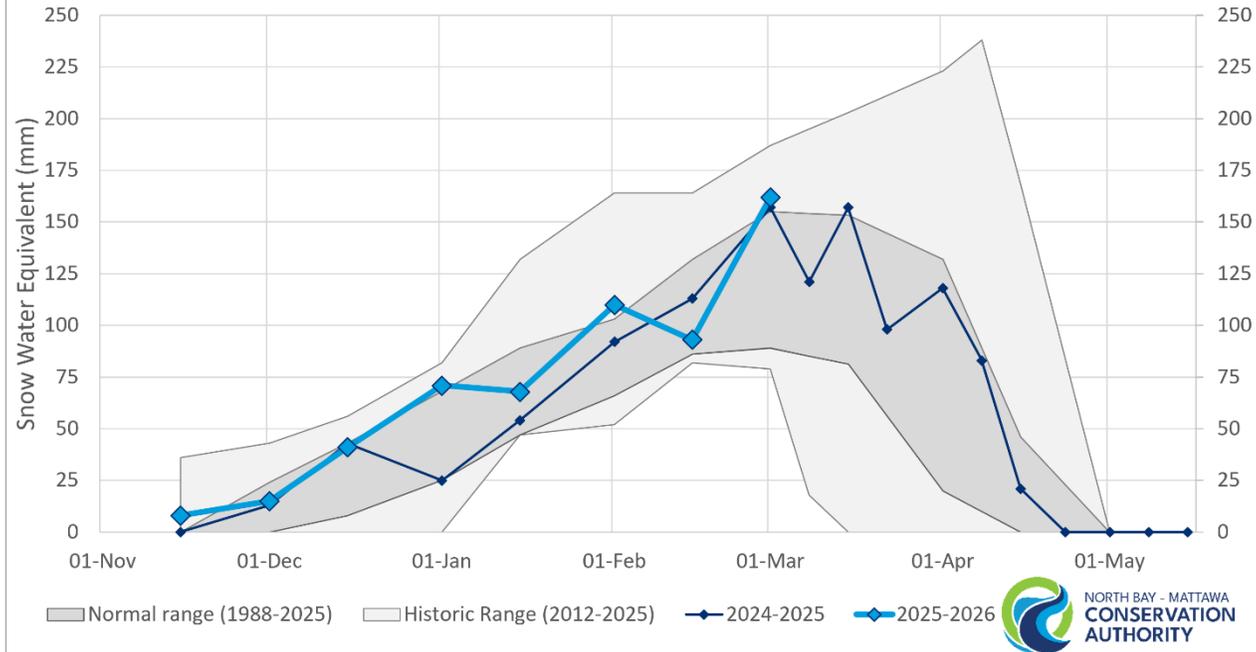


Corbeil Conservation Area Snow Water Equivalent (Mar 02, 2026)



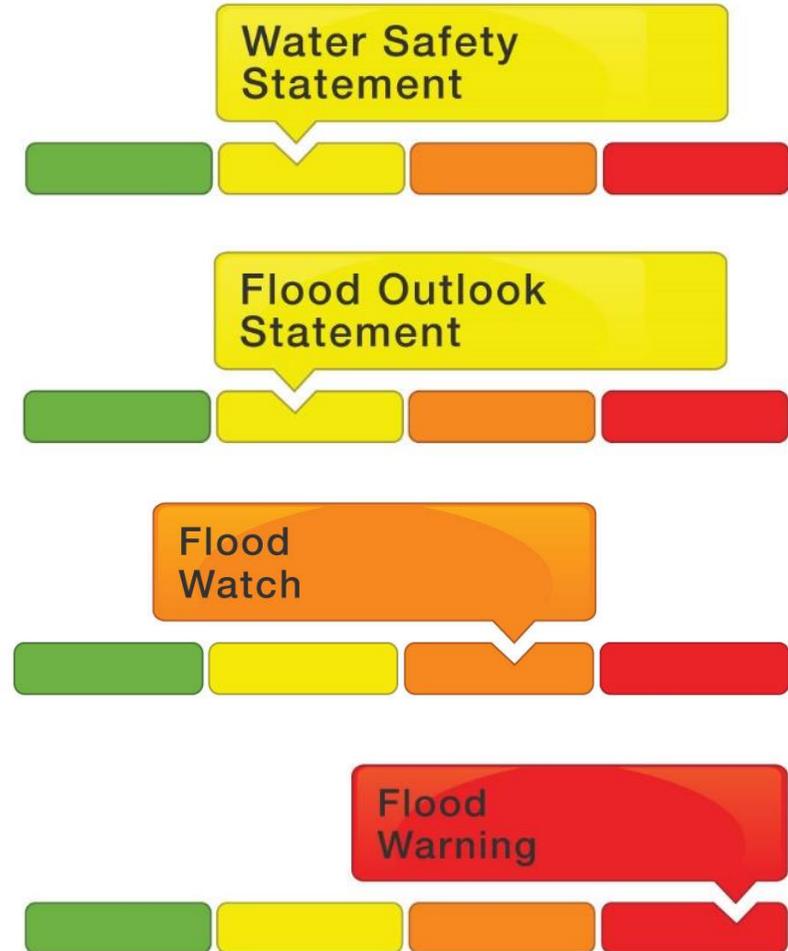
To Be updated to include March 9<sup>th</sup> snow survey data

North Bay Golf and Country Club Snow Water Equivalent (Mar 02, 2026)



# Flood Forecast Warning

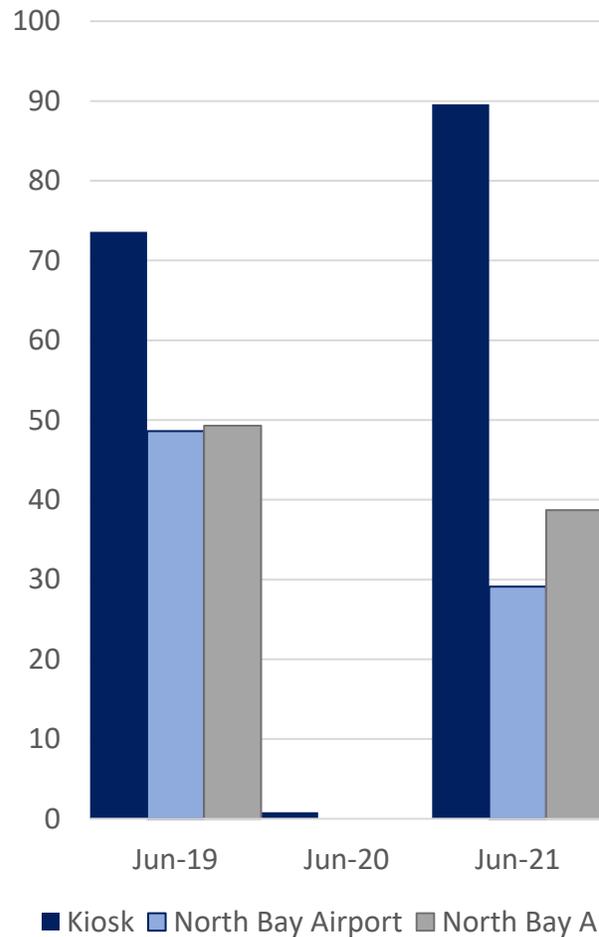
- Fourteen Flood Messages issued from March – July 2025
  - Six that included a Water Safety Statement
  - Four that included a Flood Outlook Statement
  - Six that included a Flood Watch
- No Flood Warnings issued



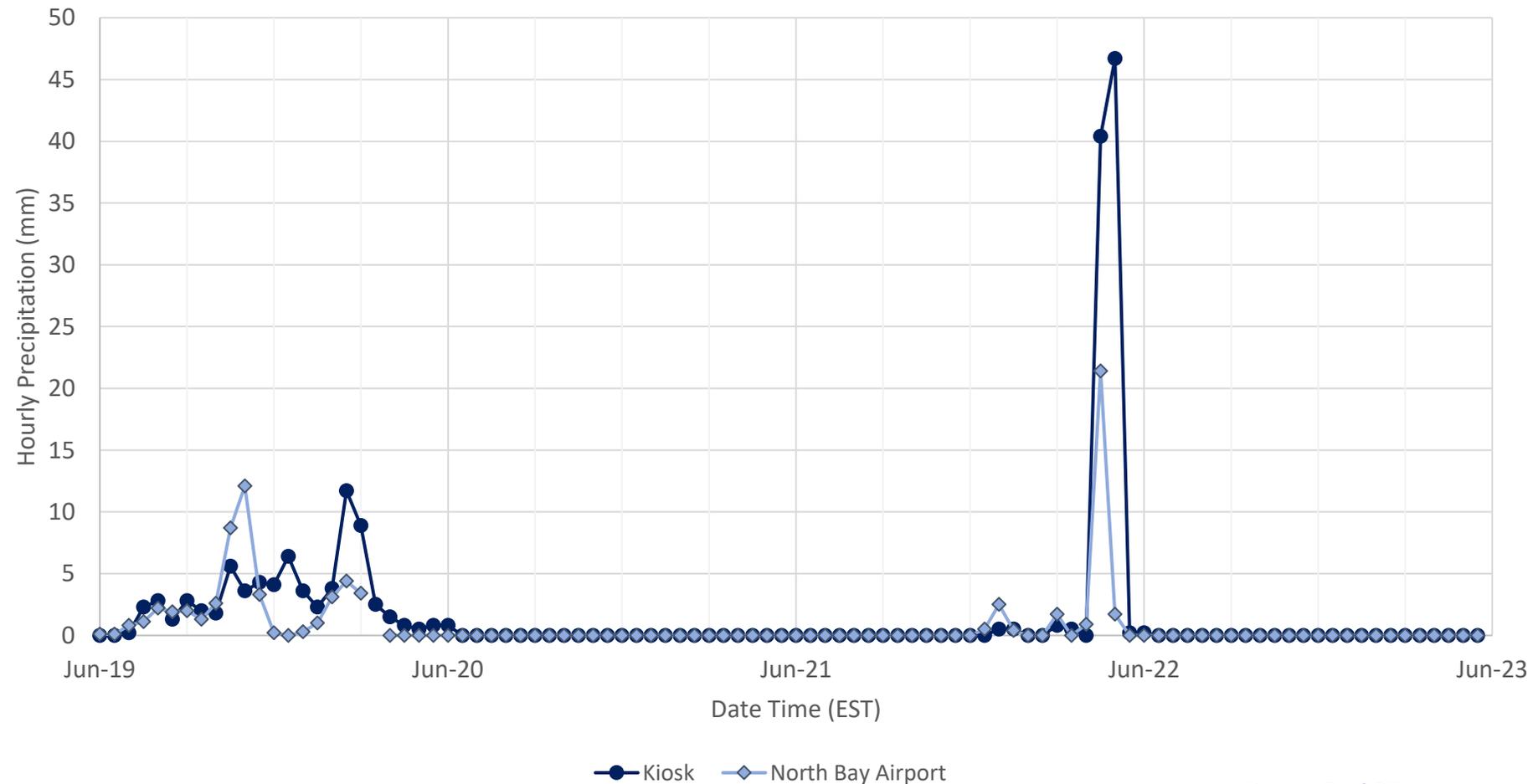
# Measured Precipitation June 19-21, 2025



Daily Precipitation



Hourly Precipitation June 19-22, 2025

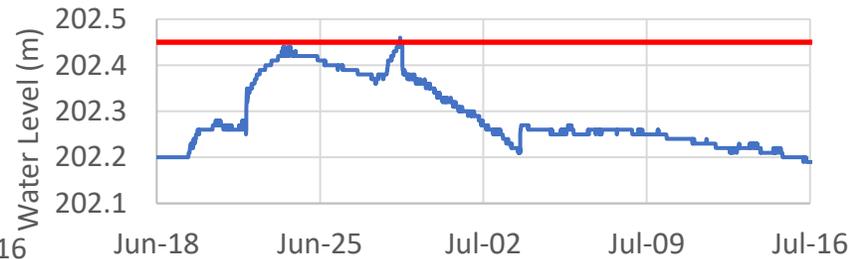


# Watershed Response

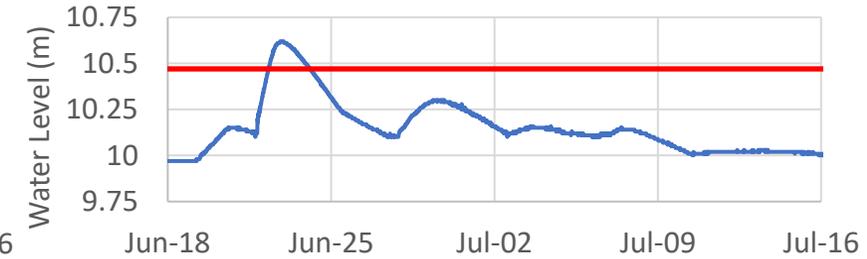
### Chippewa Creek at North Bay



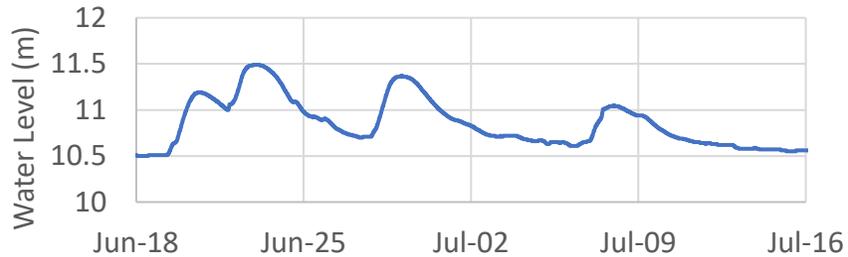
### Turtle Lake Dam



### Lake Talon at Blanchard's Landing



### La Vase River at North Bay



### Lake Nosbonsing Dam



### Mattawa River below Boullion Lake



### Wasi River near Astorville



### Mattawa River at Hurdman Dam



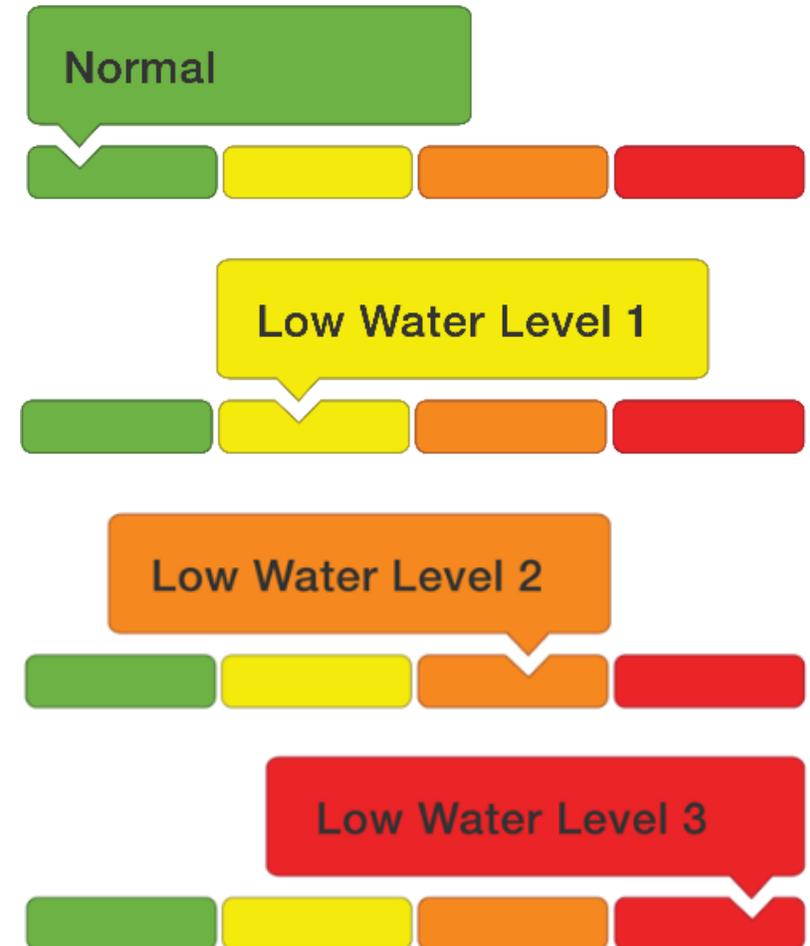
# Climate Monitoring

- Corbeil Climate Station install in progress
- PGMN rain gauge vandalized ~1 year after installed on new post with telemetry



# Ontario Low Water Response

- Four Low Water messages were issued in 2025
  - January: return to normal conditions after late 2024 low water status
  - September: Level 1
  - October: Level 2 (first for our area)
  - December: Level 1
- Based on 1 to 3-month precipitation total and 1-month streamflow data



# Stream Water Quality Sampling



- Nine sites sampled in partnership with MECP
- Fifteen supplemental sites sampled internally
- Total of 183 water samples and in situ measurements collected on 19 field days.
- 2,010 individual analyses through MECP
- 236 analyses of phosphorus and chloride at internal sites



Burford Creek

# Total Phosphorus

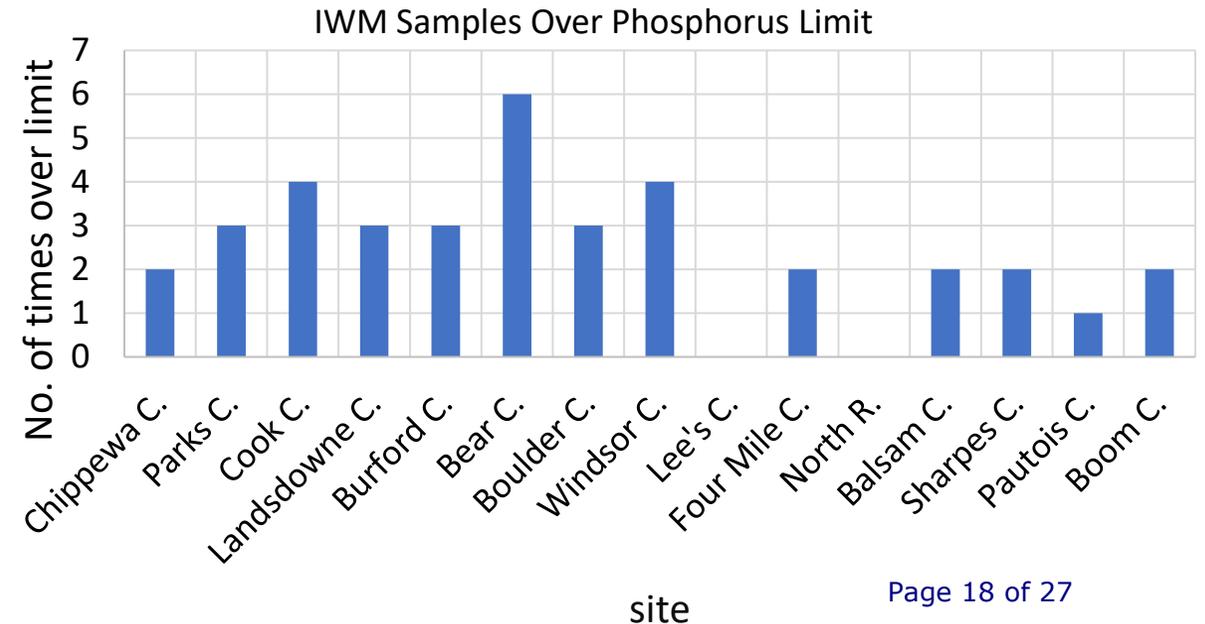
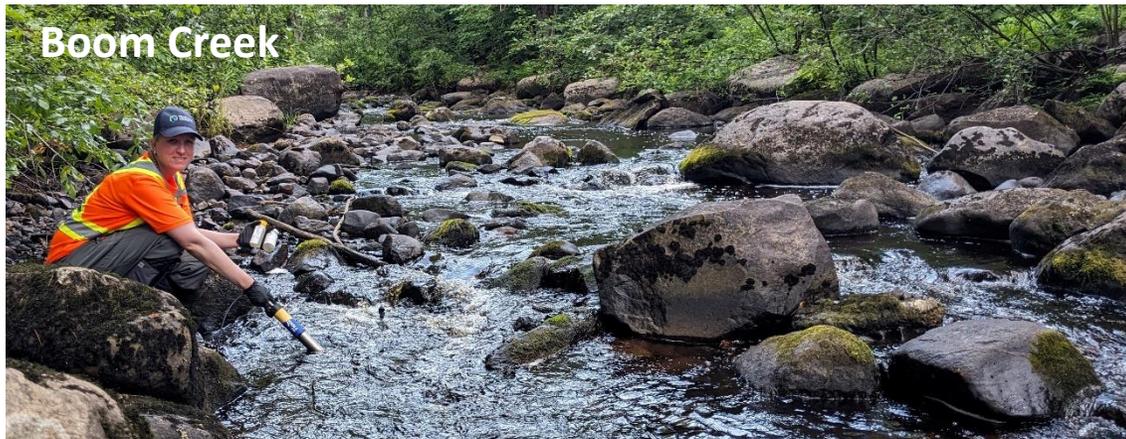
- Provincial Water Quality Objective: 30 µg/L

- PWQMN

- 5 exceedances June through August
  - Wasi River (3 at 30.4-37.7 µg/L)
  - La Vase River (2 at 57.3-63.8 µg/L)

- IWM

- 37 exceedances April through November
  - Max. 102 µg/L at Bear Creek during rain event



# Chloride

- CCME guidelines for the protection of aquatic life:
  - Chronic 120mg/L; Acute 640 mg/L
- PWQMN
  - 1 exceedance over Chronic guideline in March
    - Chippewa Creek (at 164 mg/L)
- IWM
  - 14 exceedances over Chronic guideline April to November
    - Cook Creek (4 at 123-251 mg/L)
    - Lansdowne Creek (7 at 129-213 mg/L)
    - Windsor Creek (3 at 126-151 mg/L)
- No samples exceeded Acute exposure guideline



# Lake Sampling 2025

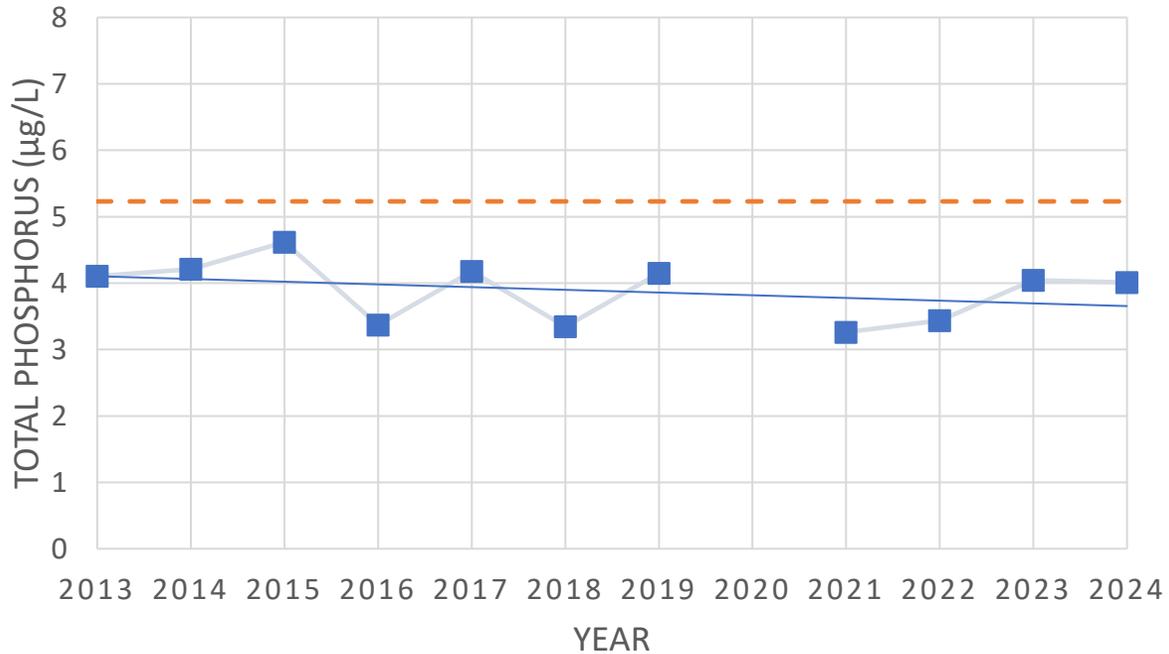
- Trout Lake was sampled six times May – October
- Callander Bay, Wasi Lake, Lake Nosbonsing, Turtle Lake, and Pine Lake were sampled four times May – August
- 19 sample sites across 6 lakes over 26 field days
- 70 water samples collected for Total Phosphorus
- 48 water samples collected for Calcium, Chloride, and Dissolved Organic Carbon in Trout Lake
- 84 vertical profiles recorded
- 92 measurements of Secchi depth
- Lab results to be returned Spring 2026, courtesy of Lake Partner Program



# Trout Lake Ice-Free Annual Average TP

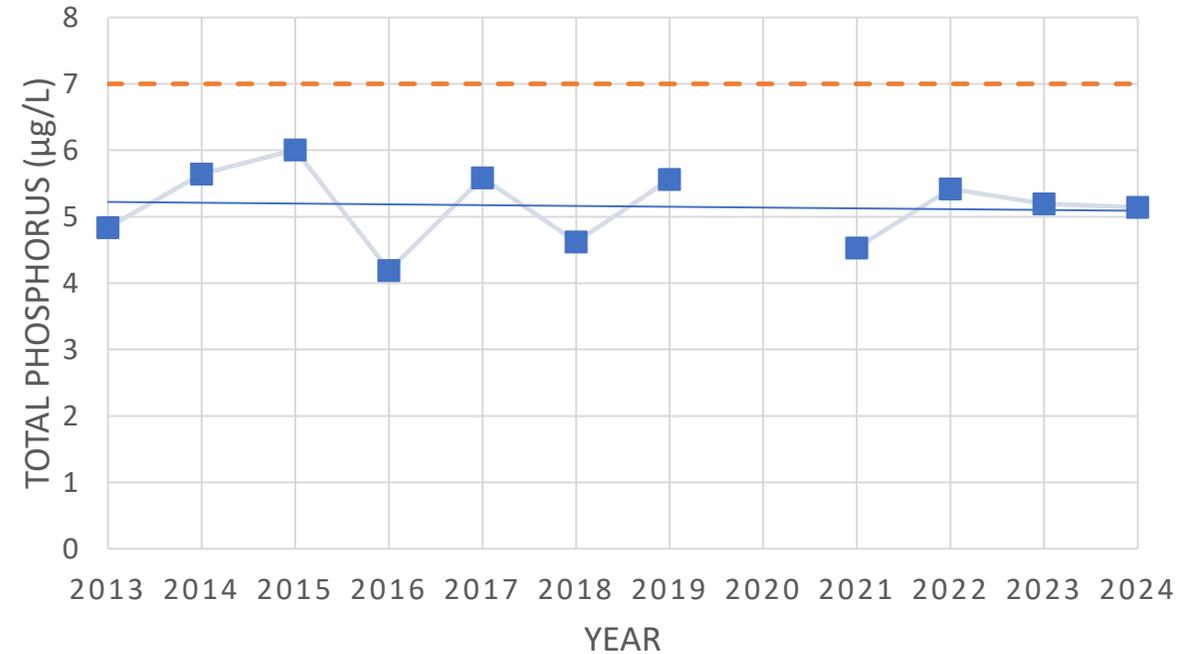


### TROUT LAKE - MAIN BASIN



2013-2024 average: 3.88 µg/L

### TROUT LAKE - FOUR MILE BAY

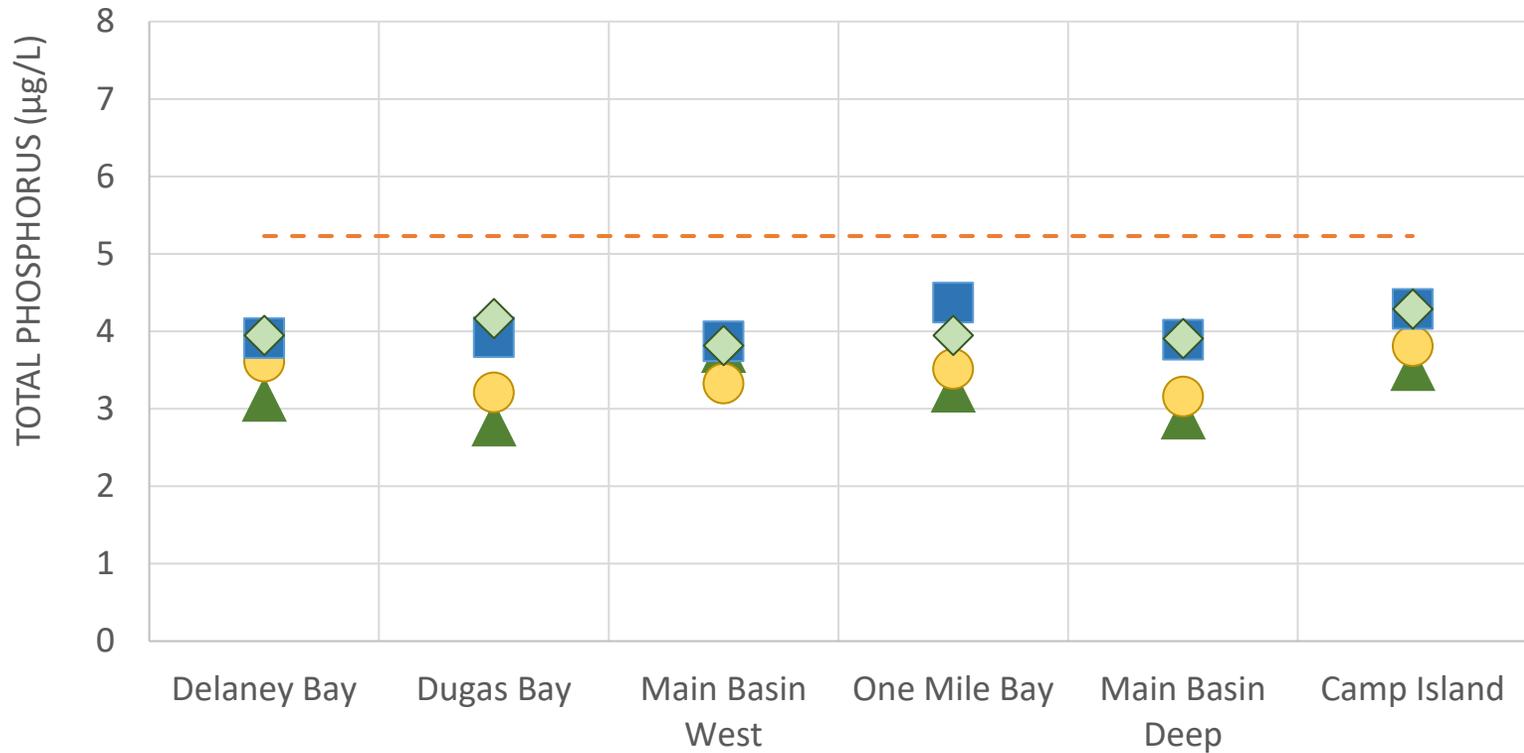


2013-2024 average: 5.16 µg/L

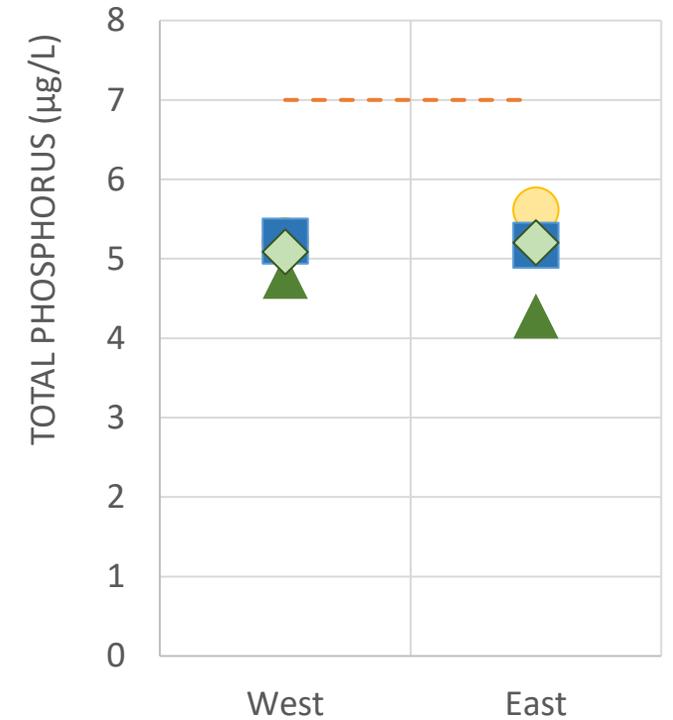
# Trout Lake Ice-Free Annual Average TP



TROUT LAKE - MAIN BASIN



FOUR MILE BAY

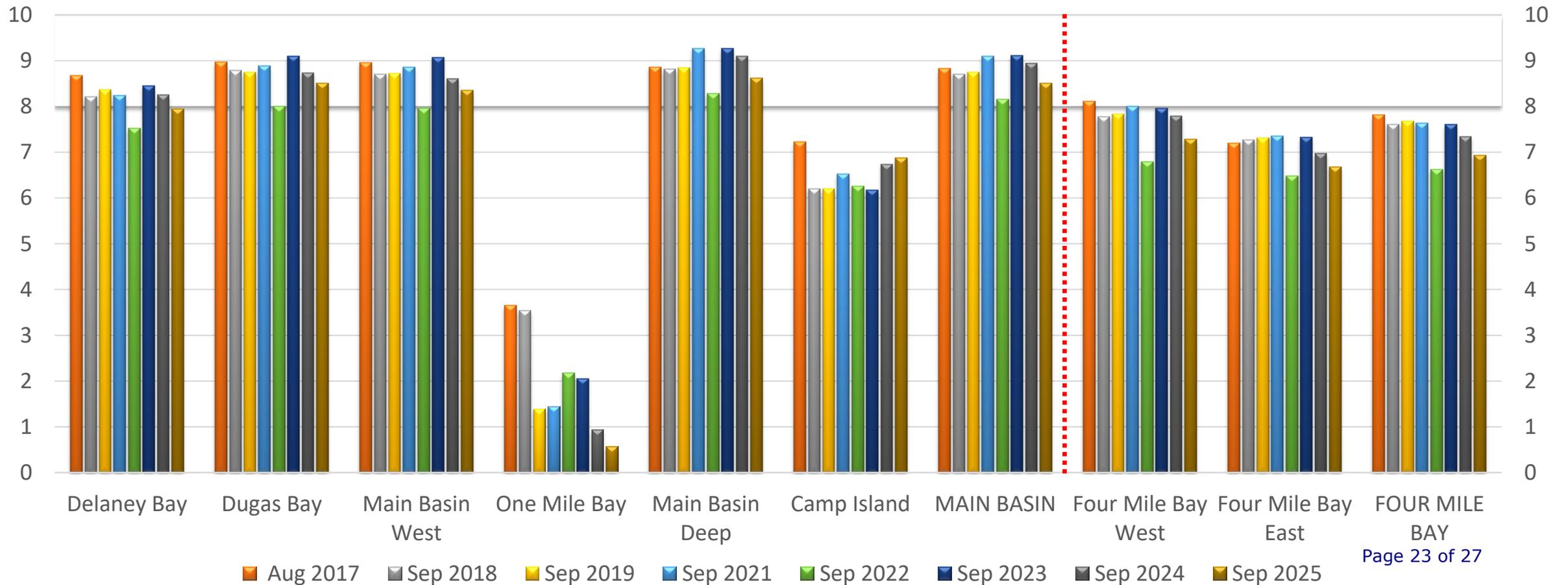


--- WQ objective    ▲ 2021    ● 2022    ■ 2023    ◆ 2024

# Trout Lake Dissolved Oxygen



## Trout Lake Mean Volume-weighted Hypolimnetic Dissolved Oxygen



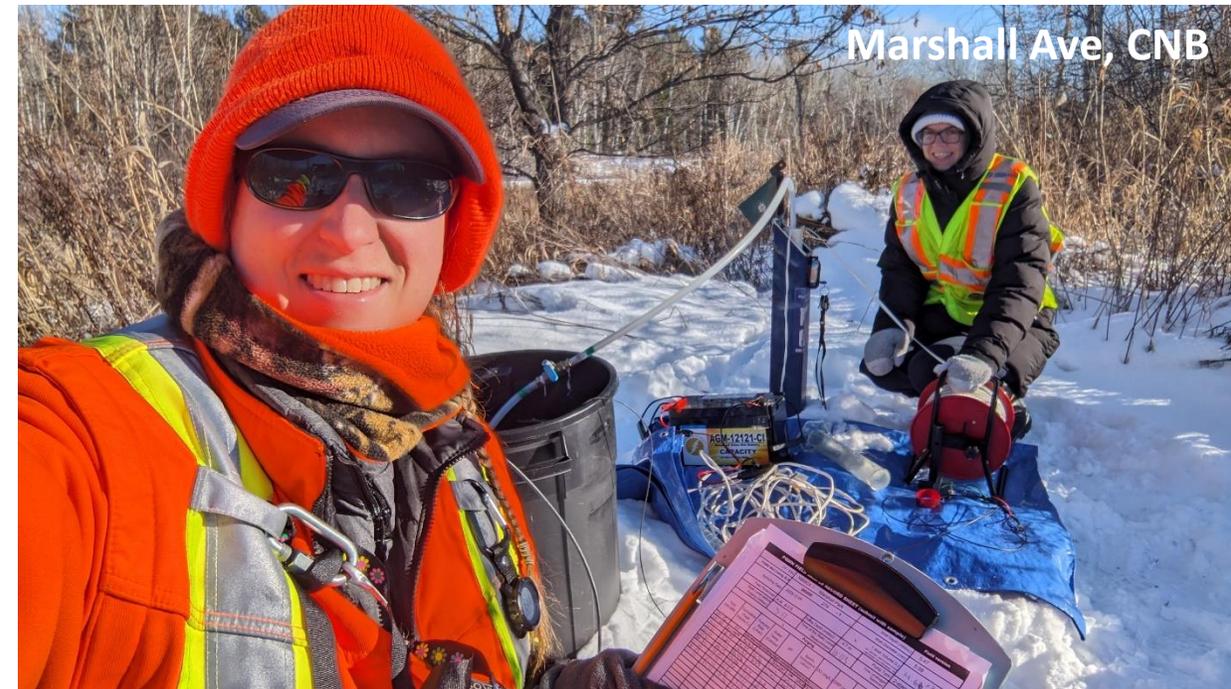
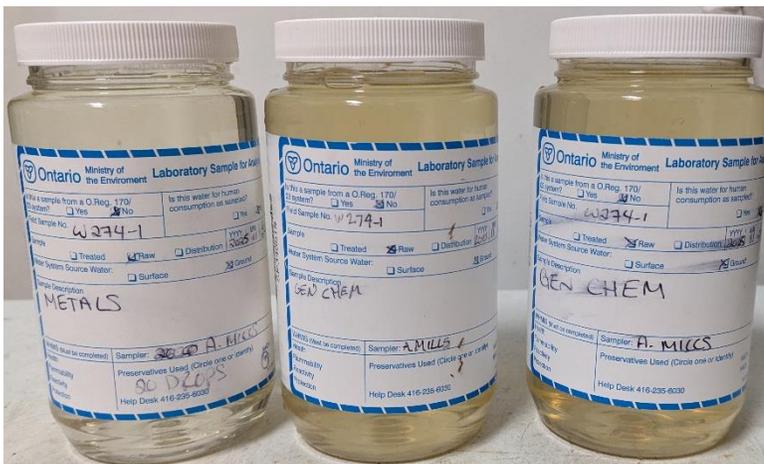
# Blue-Green Algae / Cyanobacteria

- Confirmed reports of Cyanobacteria blooms on Callander Bay and Wasi Lake in late July.



# Groundwater

- Hourly water level data recorded at six groundwater monitoring wells, in partnership with MECP
- Water quality samples collected from three wells
- Samples from one well sent to Health Canada for Pesticides analysis



# Looking ahead at 2026



- Flood Forecast and Warning: Ongoing monitoring; snow surveys continuing weekly
- Climate Stations: finish install of Corbeil and get personal weather stations installed across watershed. Repair and reinstall rain gauge at Feronia.
- Stream sampling: winter sampling continuing; summer sampling begins April
  - ADDING: 13 Trout Lake tributaries (15 total) to be sampled Monthly Apr-Nov, and when possible, collected the day before Trout Lake sampling
- Lake Sampling: Trout Lake, Lake Nosbonsing, Callander Bay, Wasi Lake, Four Mile Lake and Smith Lake
  - Extending sample season into mid-September for annual lakes
- Groundwater: provincial initiative to have wells surveyed; sample at three sites
- Watershed Report Cards: 2026 is final data year; participating on three working groups coordinating guidance documents being distributed to all CAs

# Stay Connected!



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[www.restoreyourshore.ca](http://www.restoreyourshore.ca)

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