



Lake Anasagunticook Association

Annual Meeting August 9, 2026

Agenda

- Call to Order
- Remembrance
- Approval of Minutes
- Treasurer's Report & Budget
- Ballots
- Presidents & Committee Updates
- Longevity Awards
- Loon Report
- Water Monitoring Report
- New Business from the Floor
- Adjournment

Remembrances

- Norma Fish



- Carol Lovejoy



- Babe Binette

- Rebecca Vincelette



A map of Lake Anasagunticook and its surrounding waterways. The lake is a large, irregularly shaped body of water on the right side of the image. Several brooks flow into it: Sparrow Brook from the northwest, Whitney Brook from the north, Bog Brook from the southwest, and Thompson Brook from the southeast. The map shows the shoreline of the lake and the paths of the brooks, with some areas marked by small blue dots. The text "Approval of 2025 Annual Meeting Minutes" is overlaid in the center of the map.

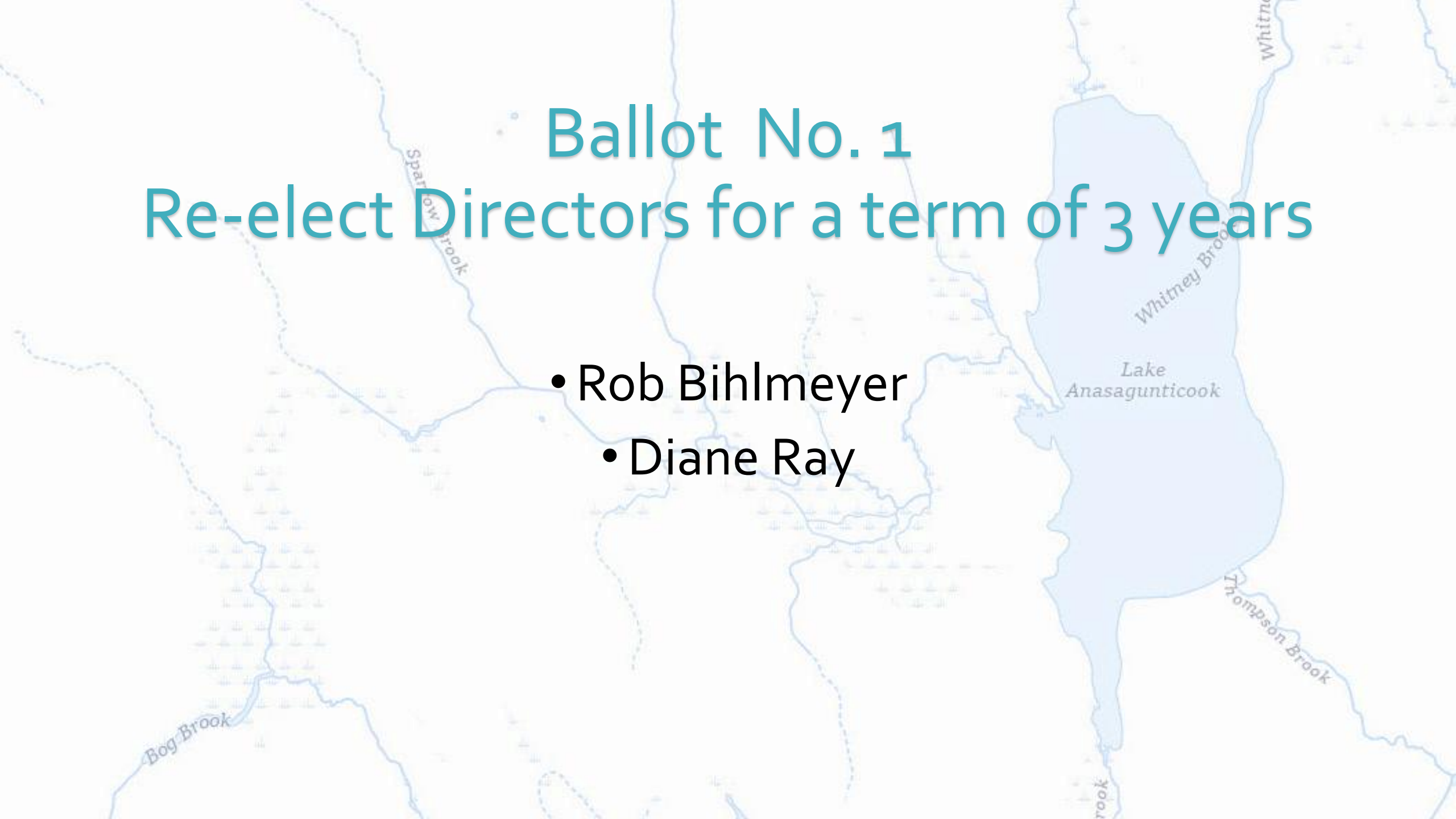
Approval of 2025 Annual Meeting Minutes

Treasurer's Report & Budget

Savings	\$7,104.58		\$10,446.16		
Water Qual Fund	\$5,339.30		\$6,354.30		
Watershed Survey			\$2,300.00		
Total Assets	\$12,443.88		\$19,100.46		
Total Income		\$6,275.00	\$9,767.92	\$7,558.00	
Individual Membership Fees		\$3,070.00	\$3,140.00	\$2,550.00	
Business/Prof. Sponsorships		\$600.00	\$400.00	\$500.00	
Unencumbered		\$500.00	\$1,100.00	\$500.00	
In Memorial Donations (unencumbered)		\$0.00	\$0.00	\$0.00	
Dividends		\$5.00	\$7.92	\$8.00	
WATERSHED GRANT			\$700.00	\$1,000.00	Approved from Canton
Designated		\$100.00	\$0.00		
* Watershed Survey Update			\$1,500.00		
*Water Quality Fund		\$1,000.00	\$1,240.00	\$1,000.00	
Raffles/Donations/Fund Raising		\$500.00	\$1,070.00	\$1,500.00	
Merch Sales		\$500.00	\$610.00	\$500.00	

Treasurer's Report & Budget

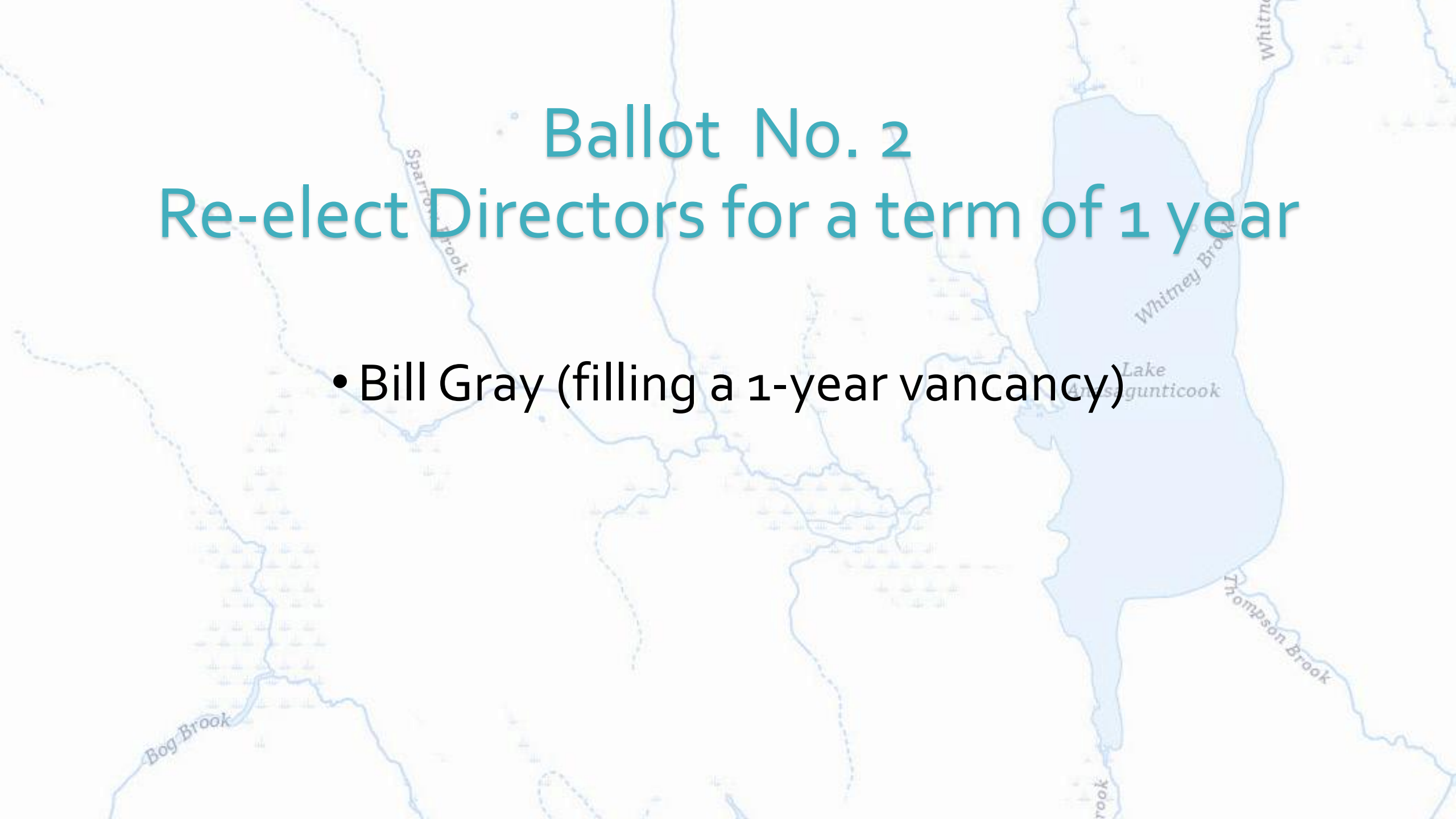
Total Expenses		\$6,275.00	\$3,111.34	\$8,880.00	
Newsletters -print/mail/advert		\$150.00	\$40.00	\$250.00	watershed survey mailings
Membership Communic./Activity		\$300.00	\$125.00	\$300.00	
Board insurance		\$800.00	\$698.00	\$700.00	
Annual Report - Secretary of State		\$50.00	\$53.55	\$55.00	
LAA membership dues Maine Lakes		\$400.00	\$400.00	\$400.00	
Lake Stewards of maine		\$100.00	\$100.00	\$100.00	
Prizes for Events		\$150.00	\$0.00	\$150.00	
Community Involvement		\$500.00	\$65.00	\$500.00	
LAA Website - Design & Maintenance (due in 2026)		\$300.00	\$301.00	\$300.00	
Office/ Misc. Expenses/ Gifts		\$500.00	\$164.50	\$500.00	
Sales Tax/Fed Filing 990		\$75.00	\$64.26	\$75.00	
Fund Raising Costs (Lake Days Expenses, Merch Purchase, etc.))		\$1,000.00	\$1,045.89	\$1,200.00	
Watershed Project Support PYMNT - Grant Writing			\$13.75	\$0.00	
Watershed Survey Costs in 2026-27		\$1,200.00	\$0.00	\$2,600.00	
Watershed Grant Match Payments - 50% up to \$300			\$0.00	\$1,200.00	
Water Quality Monitoring -Risk Management & Testing Costs		\$500.00	\$40.39	\$200.00	
Awards, Plaques, etc.		\$0.00	\$0.00	\$100.00	
Longevity Celebration		\$250.00	\$0.00	\$250.00	

A map of Lake Anasagunticook and its surrounding area. The lake is a large, irregularly shaped body of water in the center-right. Several brooks are labeled: Sparrow Brook to the northwest, Whitney Brook to the northeast, Bog Brook to the southwest, and Thompson Brook to the southeast. The map shows a network of roads and waterways.

Ballot No. 1

Re-elect Directors for a term of 3 years

- Rob Bihlmeyer
- Diane Ray

A map of a region featuring several water bodies and streams. A large lake, labeled 'Lake Umbagog' (partially visible as 'Lake' and 'gunticook'), is on the right. To its left is a smaller lake. Streams labeled include 'Spartan Brook' (top left), 'Whitney Brook' (top right), 'Bog Brook' (bottom left), and 'Thompson Brook' (bottom right). The text 'Ballot No. 2' and 'Re-elect Directors for a term of 1 year' is overlaid in a large, teal, sans-serif font. Below this, a bullet point in black text reads '• Bill Gray (filling a 1-year vancancy)'.

Ballot No. 2

Re-elect Directors for a term of 1 year

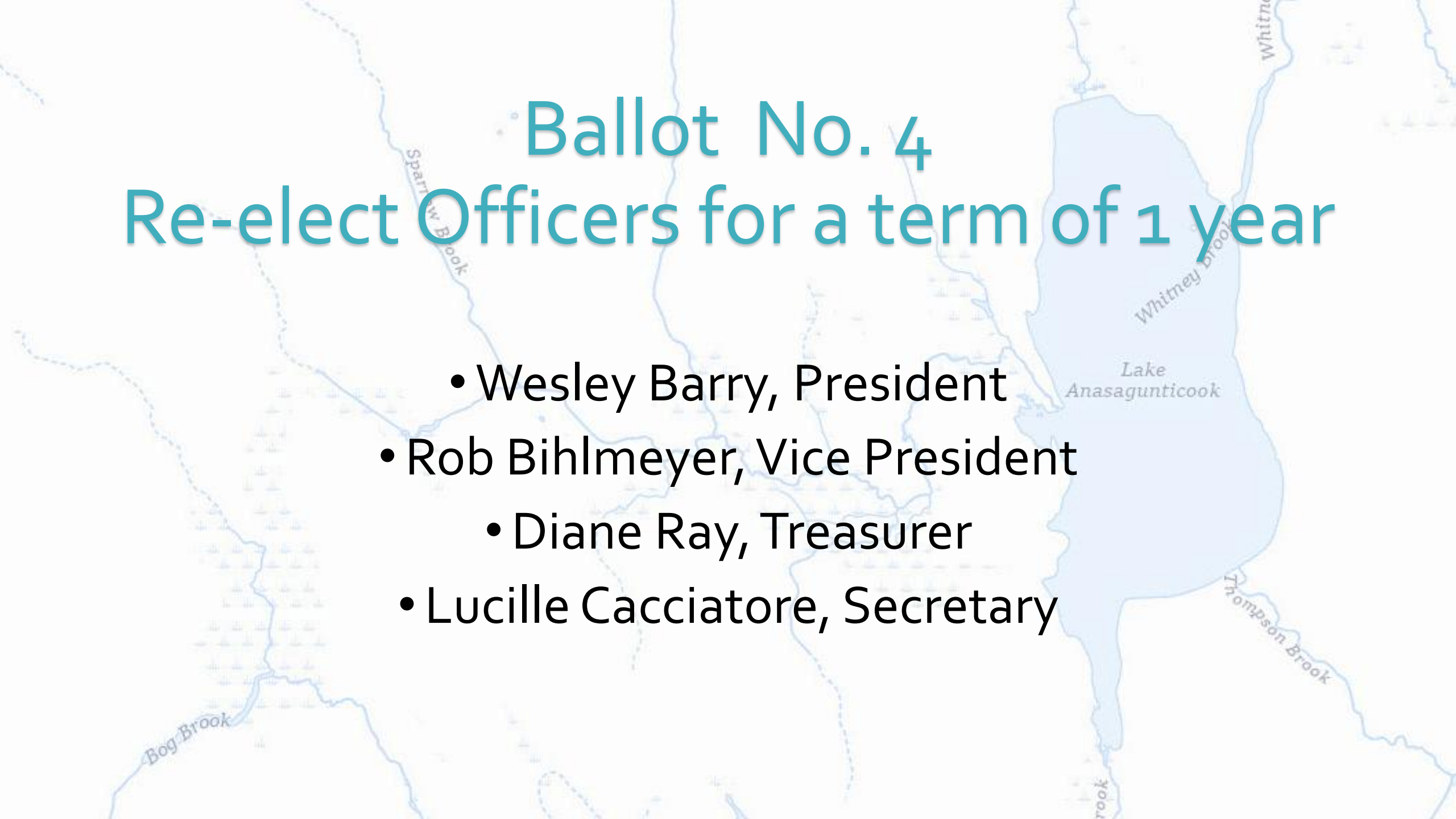
- Bill Gray (filling a 1-year vancancy)

A map of a region featuring several water bodies and streams. A large lake is on the right, with a smaller lake to its north. Several streams flow into the lake and other areas. The text 'Ballot No. 3' and 'Election of Directors for a term of 3 years' is overlaid in a large, teal font. A bullet point with the text 'Dan & Claire Riley (shared position)' is also overlaid in a black font. The map includes labels for 'Sparrow Brook', 'Whitney Brook', 'Bog Brook', and 'Tompson Brook'. The name 'Lake Umbagog' is partially visible near the large lake.

Ballot No. 3

Election of Directors for a term of 3 years

- Dan & Claire Riley (shared position)

A map of Lake Anasagunticook and the surrounding area. The lake is a large blue body of water on the right side of the image. Several brooks are labeled: Sparrow Brook to the west, Whitney Brook to the north, Thompson Brook to the south, and Bog Brook to the southwest. The text "Lake Anasagunticook" is written in the lake. The background is a light blue map with white lines representing roads and brooks.

Ballot No. 4

Re-elect Officers for a term of 1 year

- Wesley Barry, President
- Rob Bihlmeyer, Vice President
- Diane Ray, Treasurer
- Lucille Cacciatore, Secretary

Presidents Update





Lake
Anasagunticook

Whitney Brook

Tompson Brook

Sparrow Brook

Bog Brook

A map of Lake Umbagog and its surrounding waterways. The lake is a large, irregularly shaped body of water in the center-right. Several brooks flow into it: Sparrow Brook from the northwest, Whitney Brook from the north, Thompson Brook from the southeast, and Bog Brook from the southwest. The map shows a network of smaller streams and brooks, some solid and some dashed, connecting to the main waterways. The text "Membership Committee Report" is overlaid in the center in a teal color.

Membership Committee Report

Longevity Awards

- Loon (10 years)
 - Lucille Cacciatore
 - Carol MacBride





Cyndi Philips

Lake Anasagunticook Association 2026 Loon Report

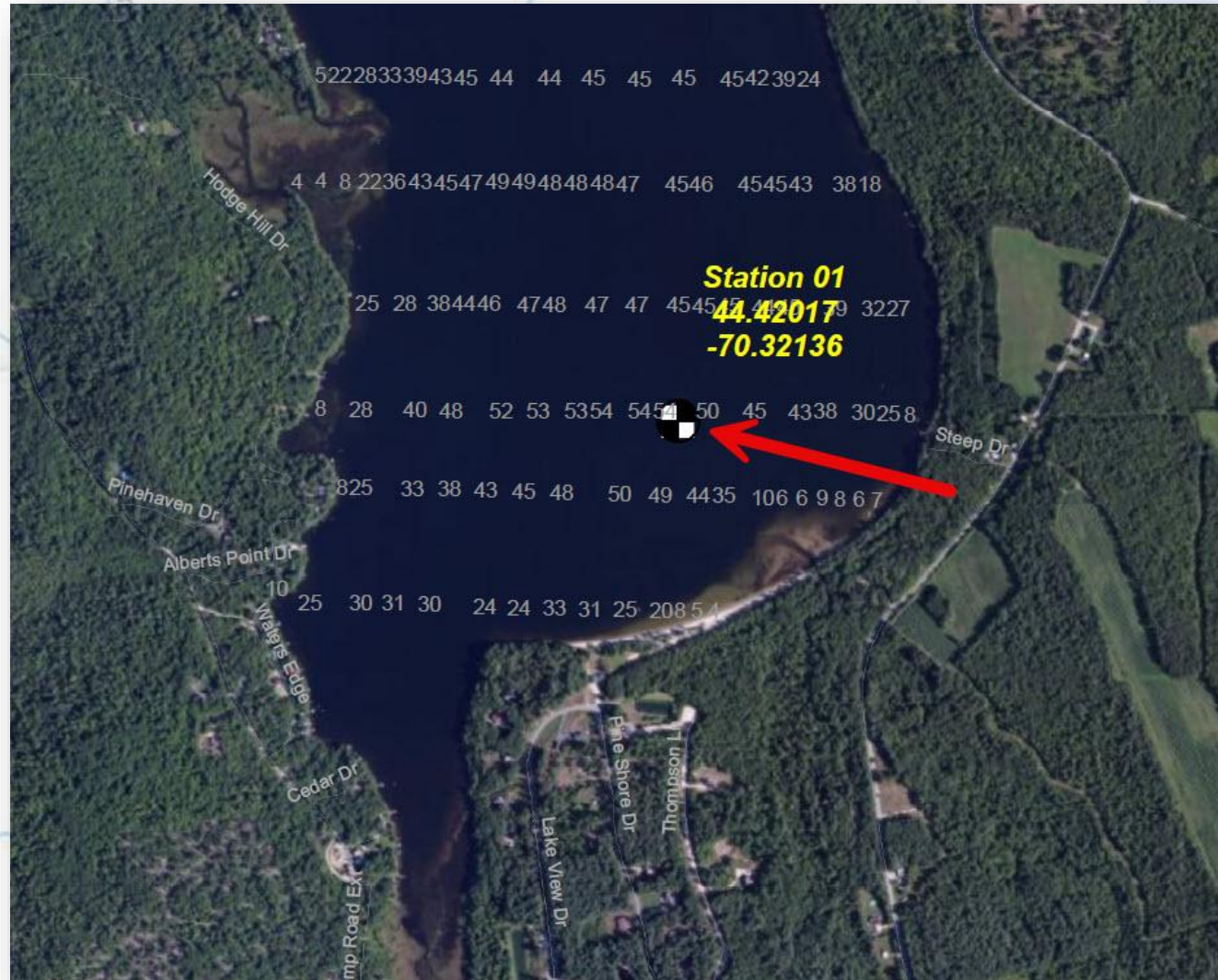


A map of Lake Anasagunticook and its surrounding watershed. The lake is a large, irregularly shaped body of water in the center-right. Several brooks flow into it: Sparrow Brook from the northwest, Whitney Brook from the north, Bog Brook from the southwest, and Thompson Brook from the south. The map shows a network of smaller streams and brooks, some solid and some dashed, representing the watershed. The text 'Lake Anasagunticook' is written inside the lake. The name 'Wesley Barry' is printed to the right of the lake. Overlaid on the map is the title 'Lake Anasagunticook Association' in a dark green font, and '2026 Water Monitoring Report' in a larger, teal font below it.

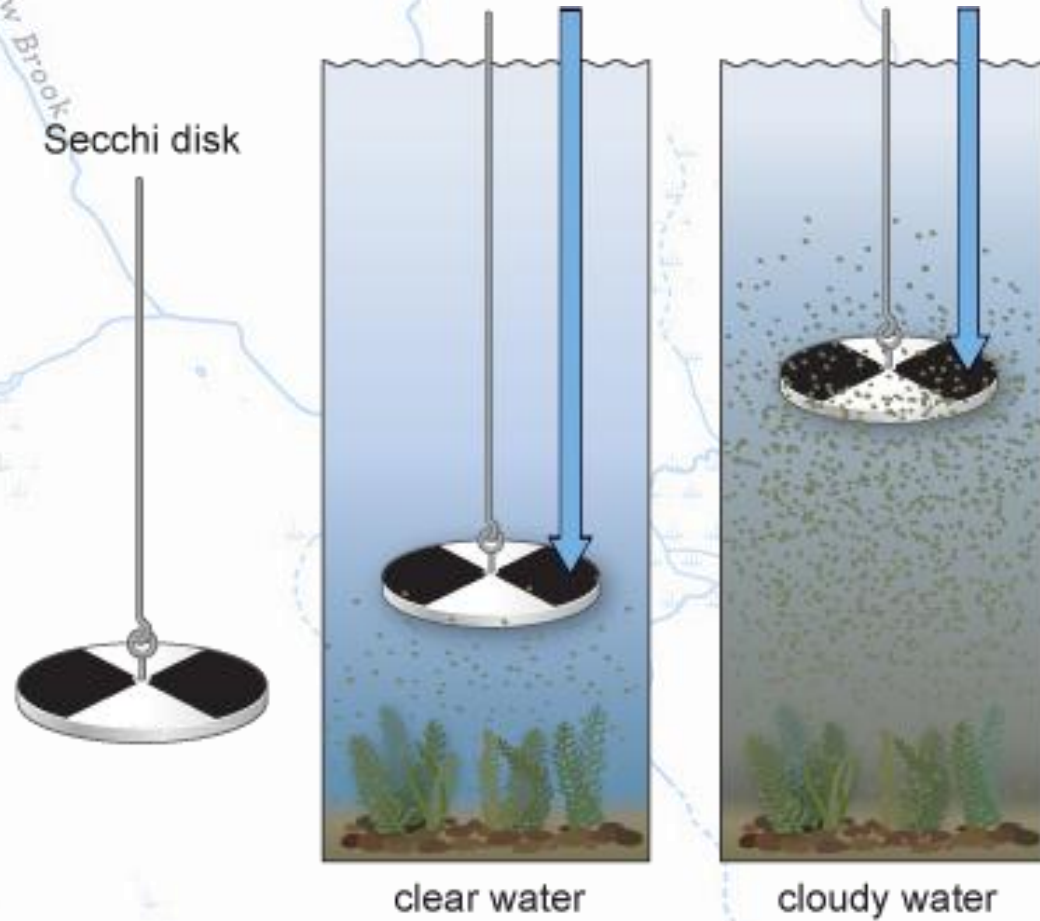
Lake Anasagunticook Association 2026 Water Monitoring Report

Wesley Barry

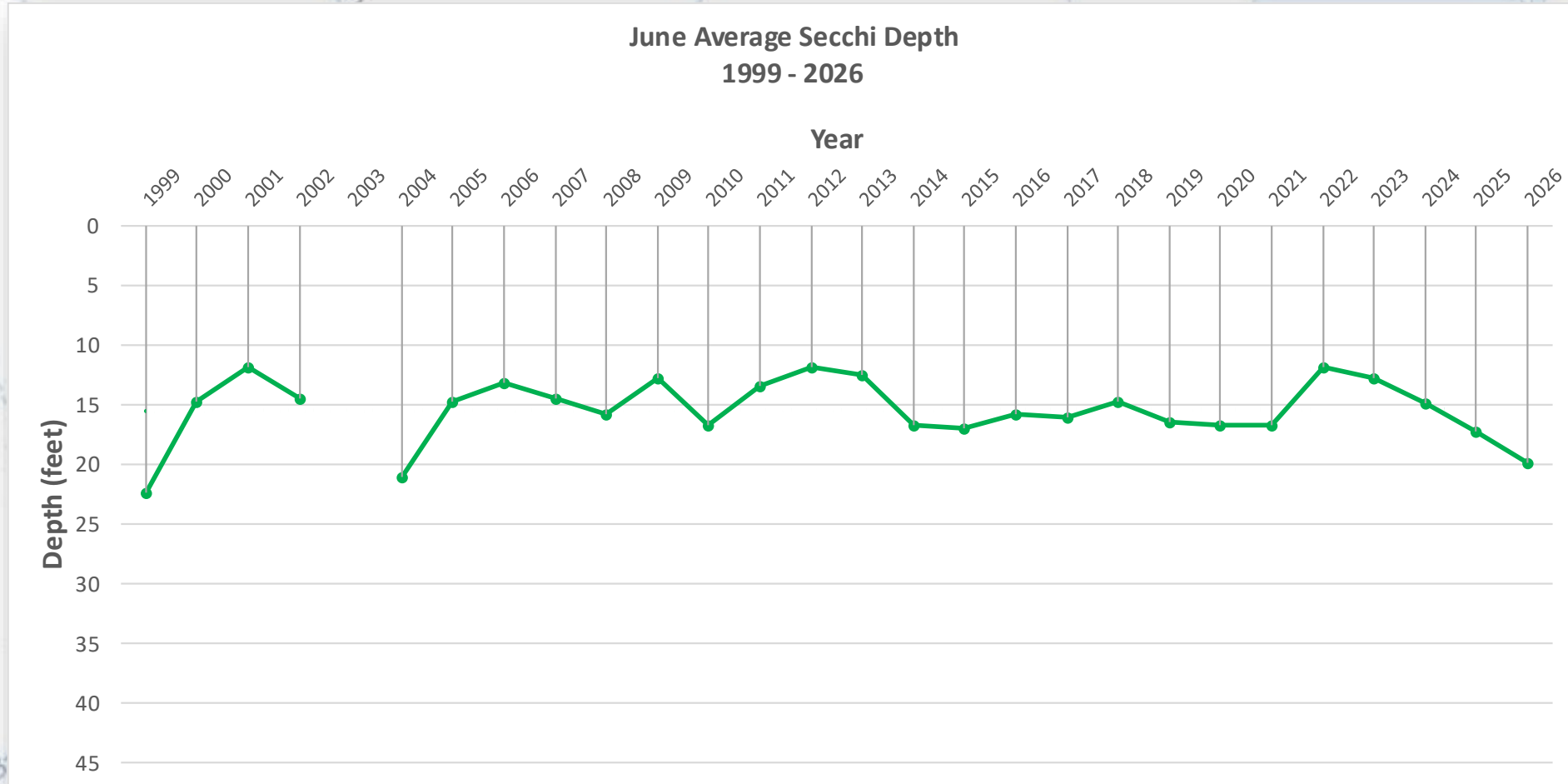
Monitoring Station



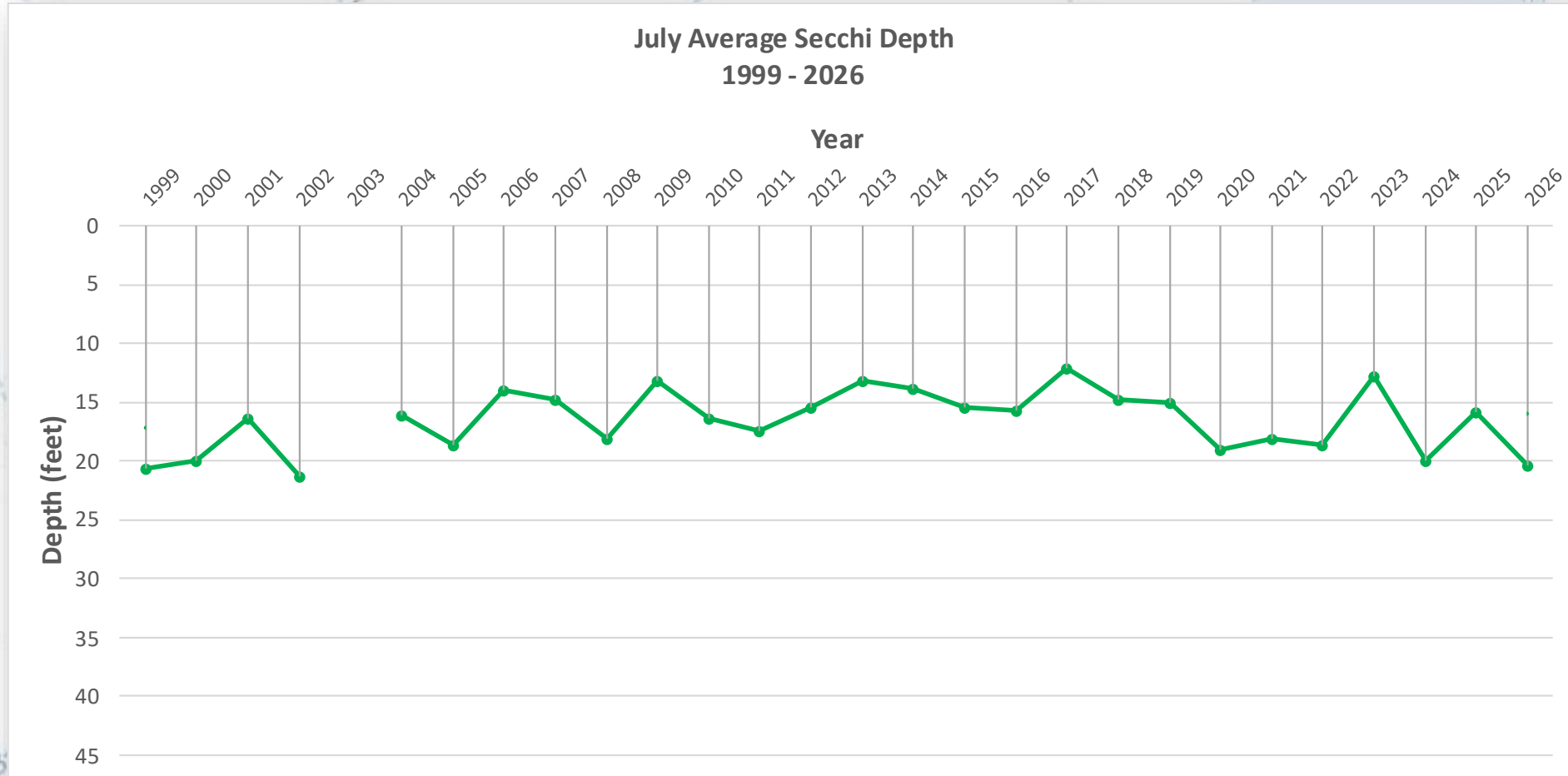
Secchi Disc Transparency



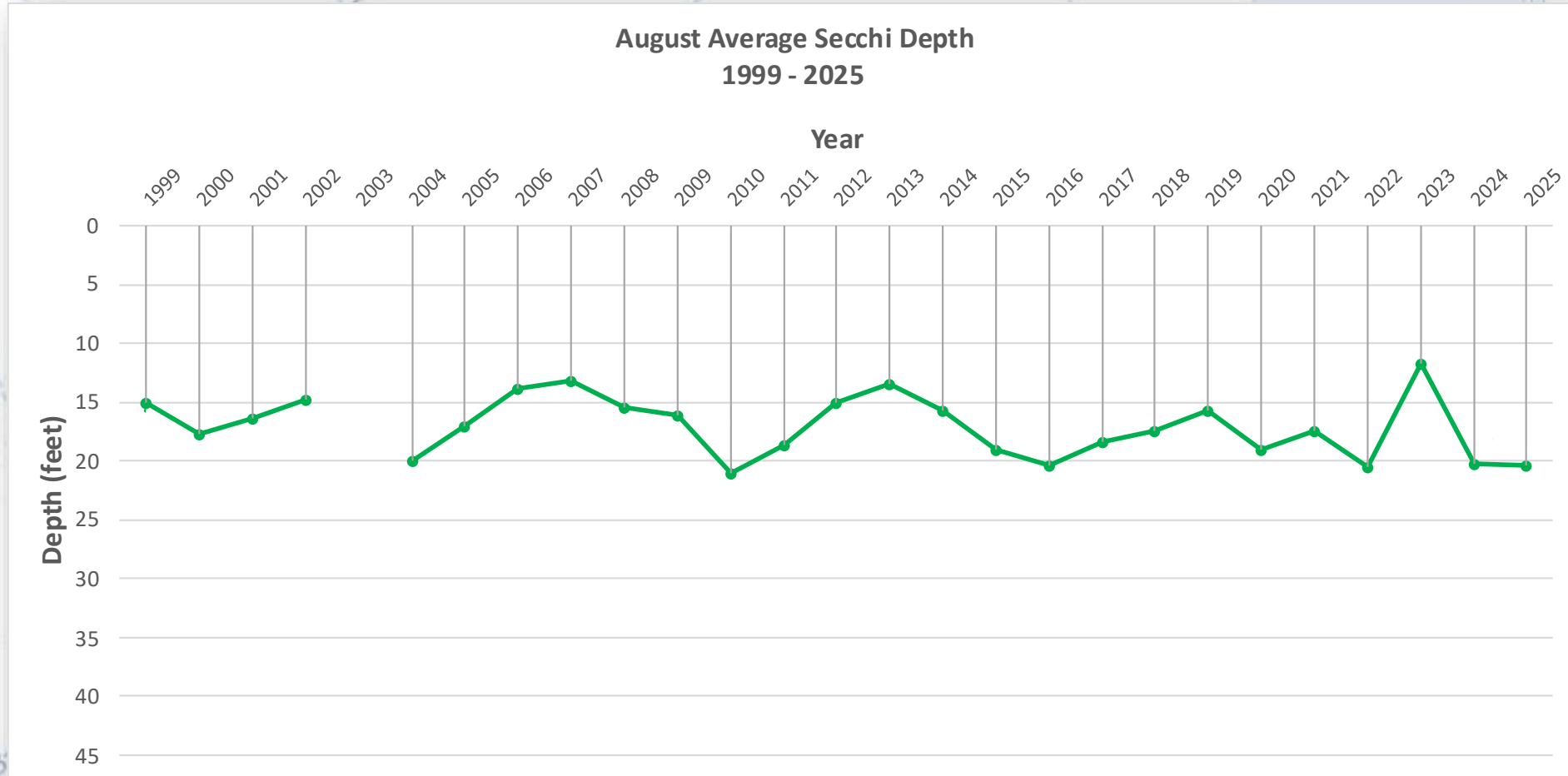
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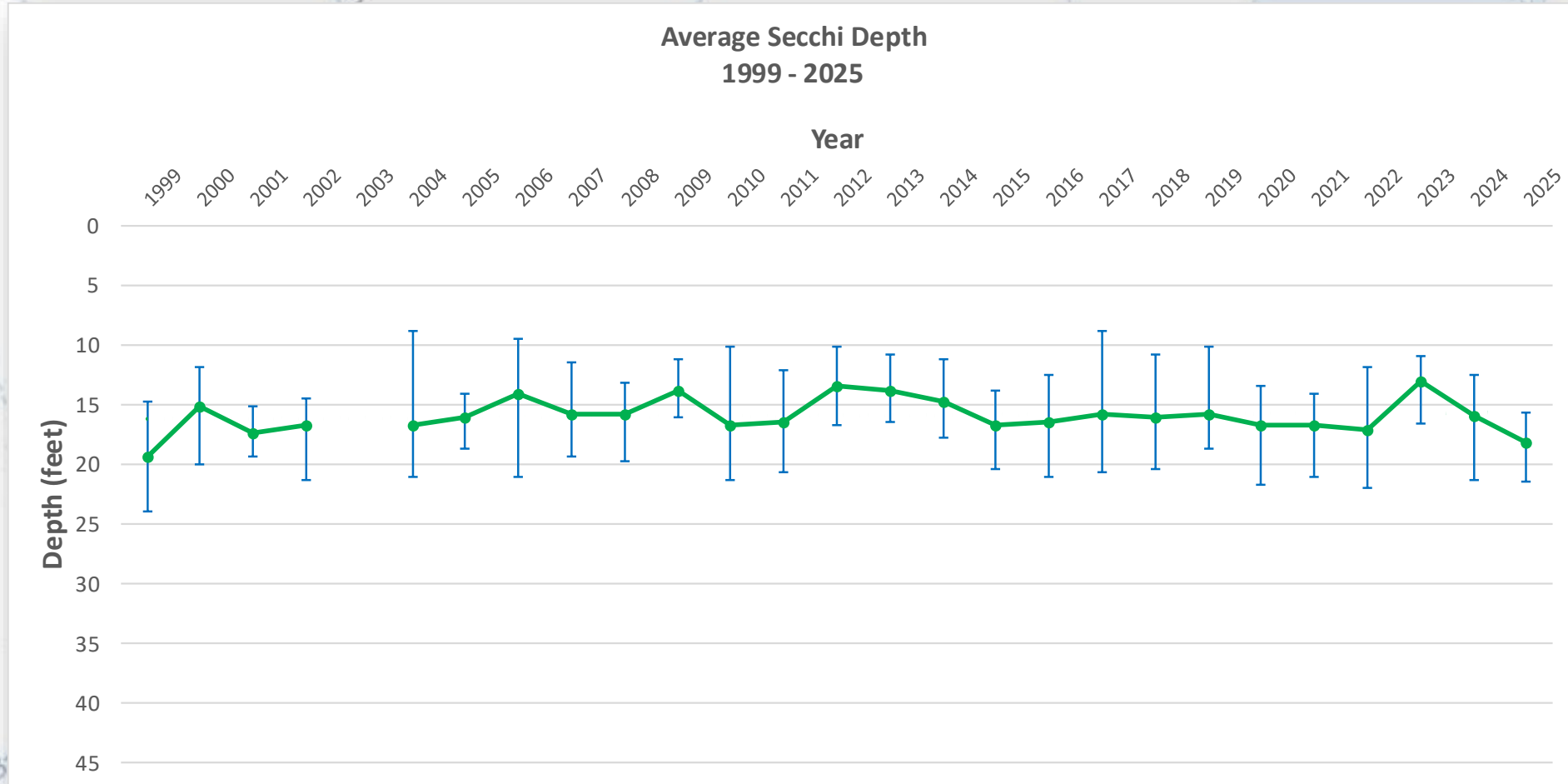
Secchi Disc Transparency



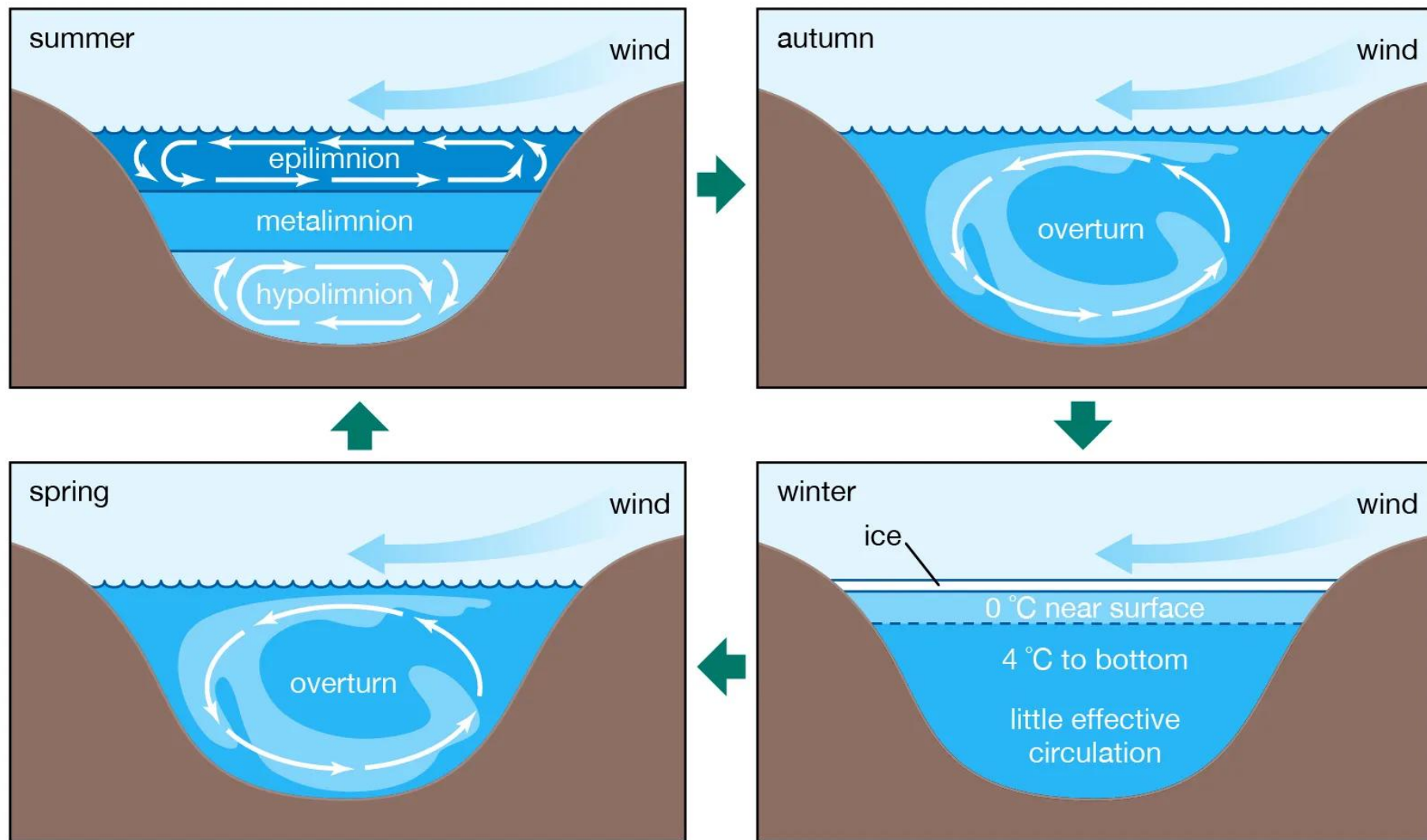
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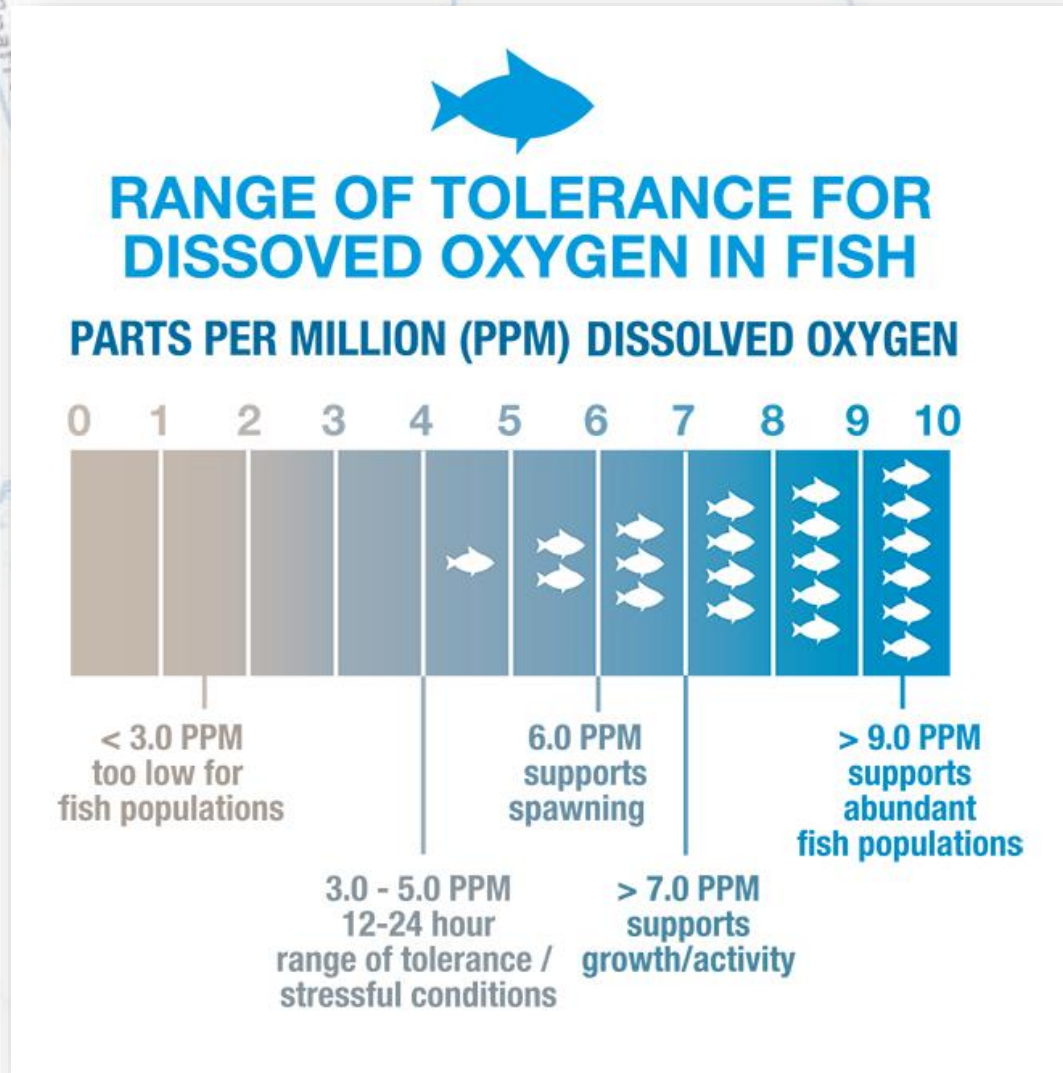
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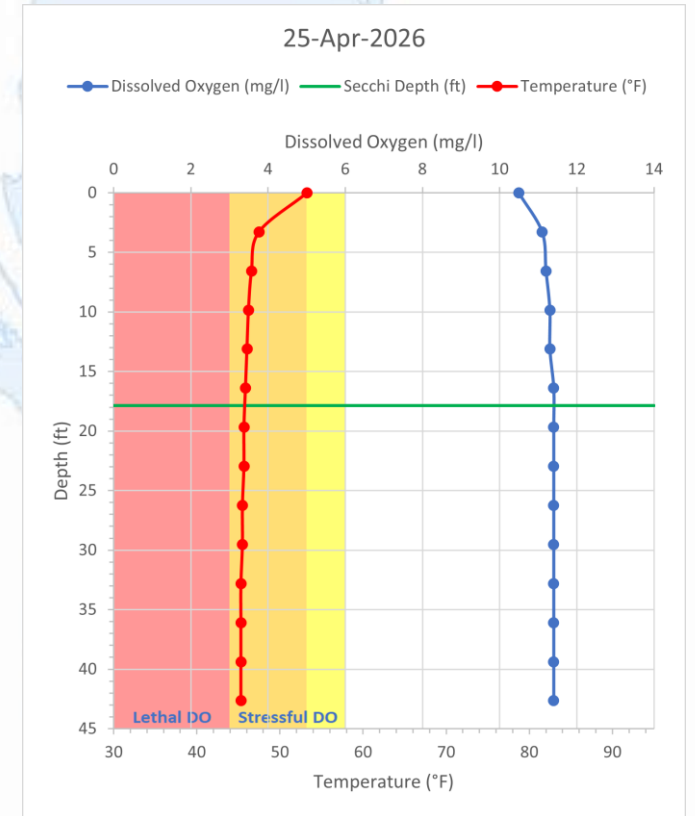
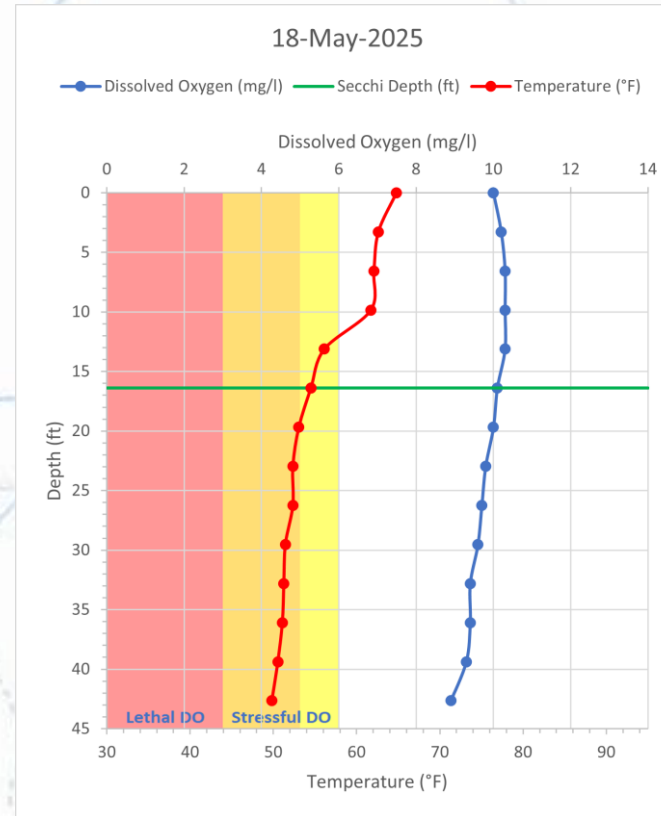
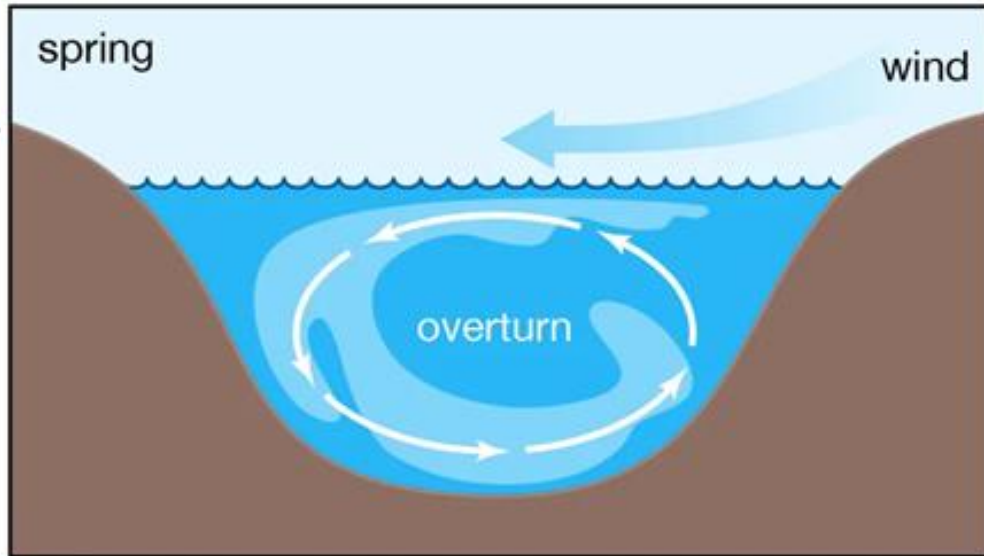
Dissolved Oxygen



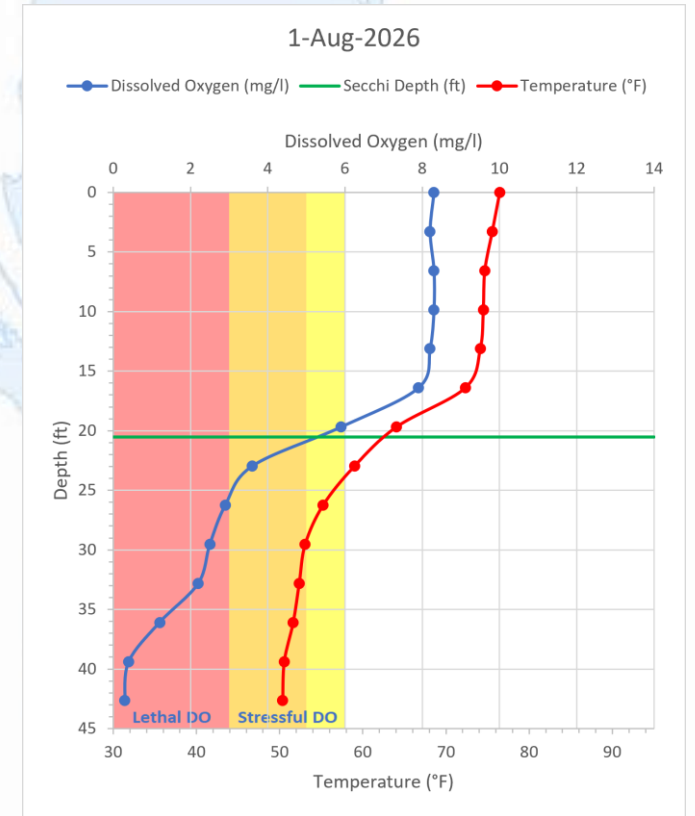
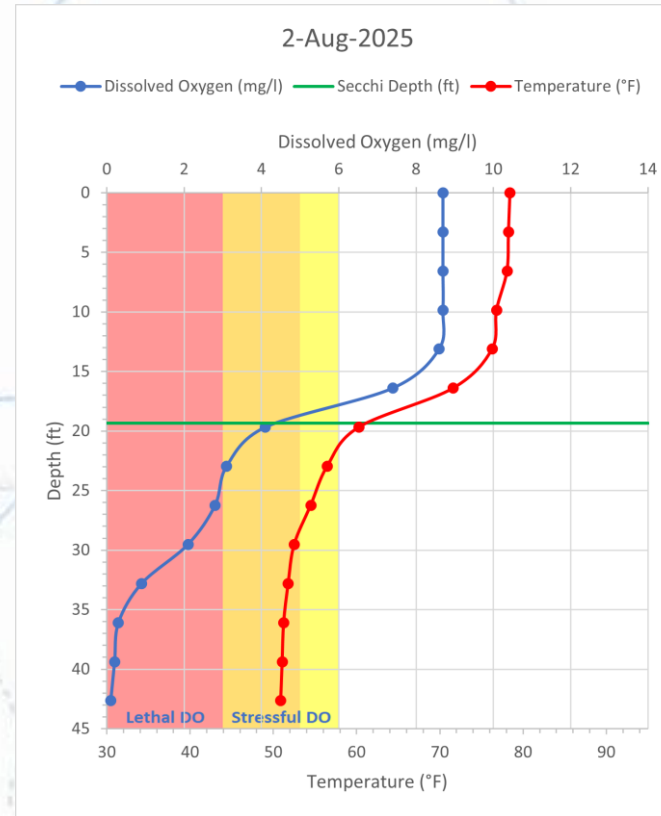
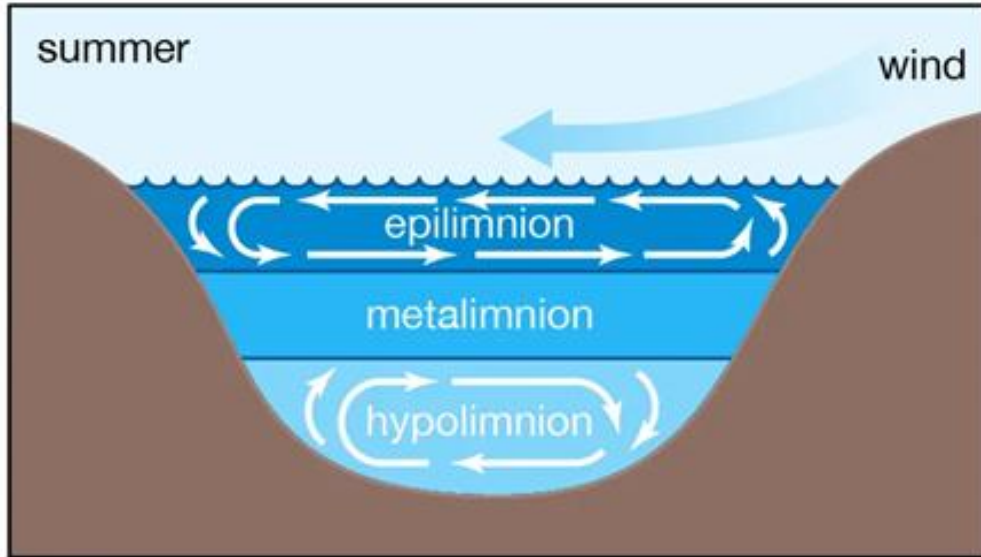
Dissolved Oxygen



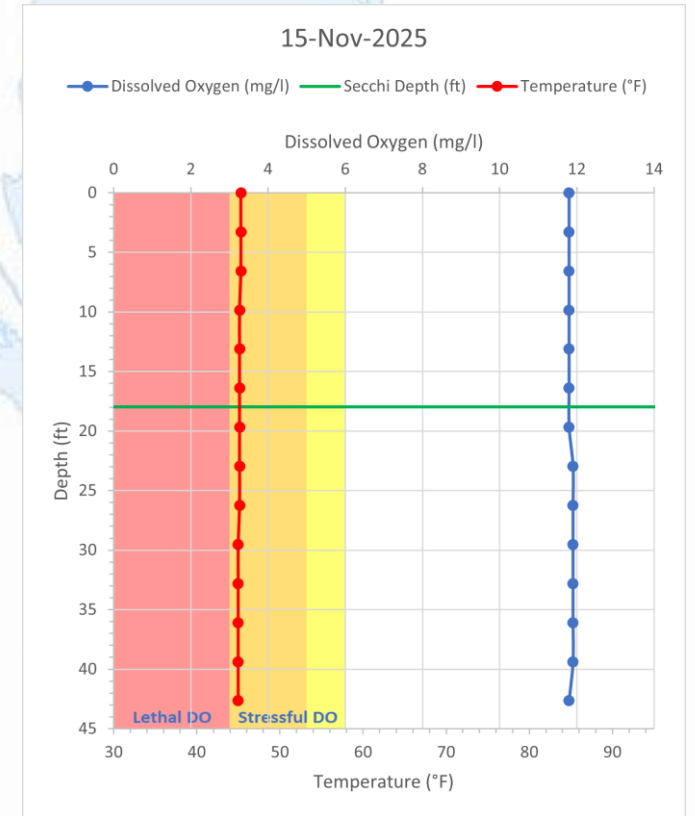
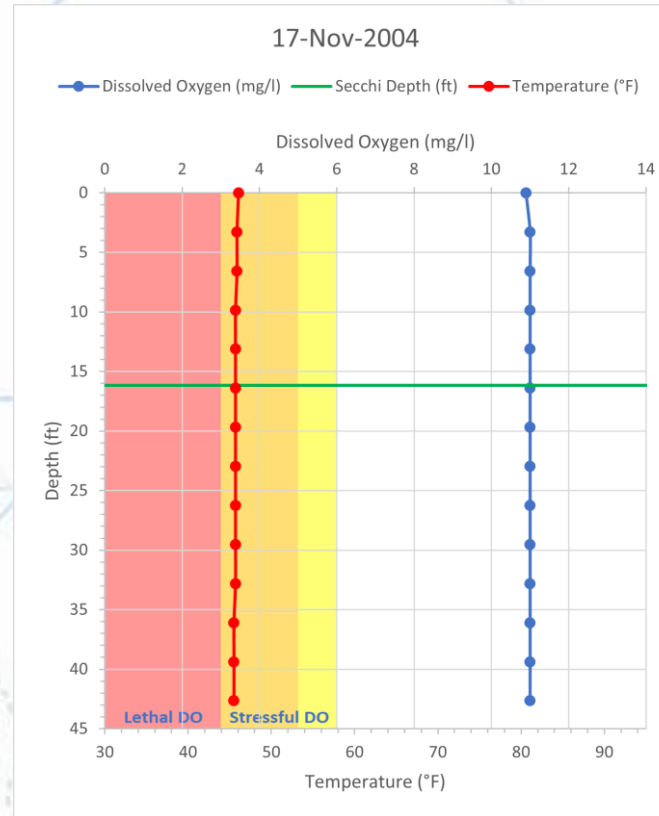
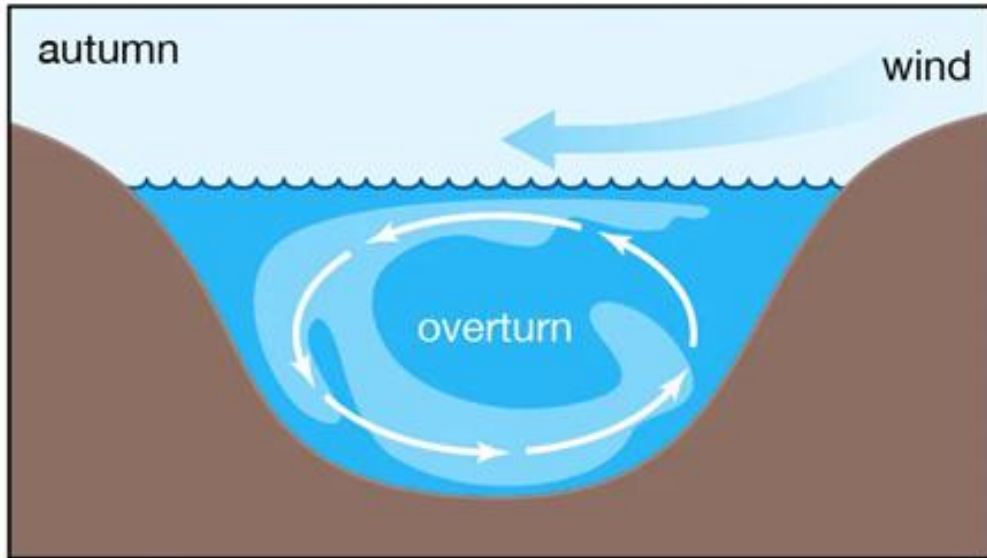
Dissolved Oxygen



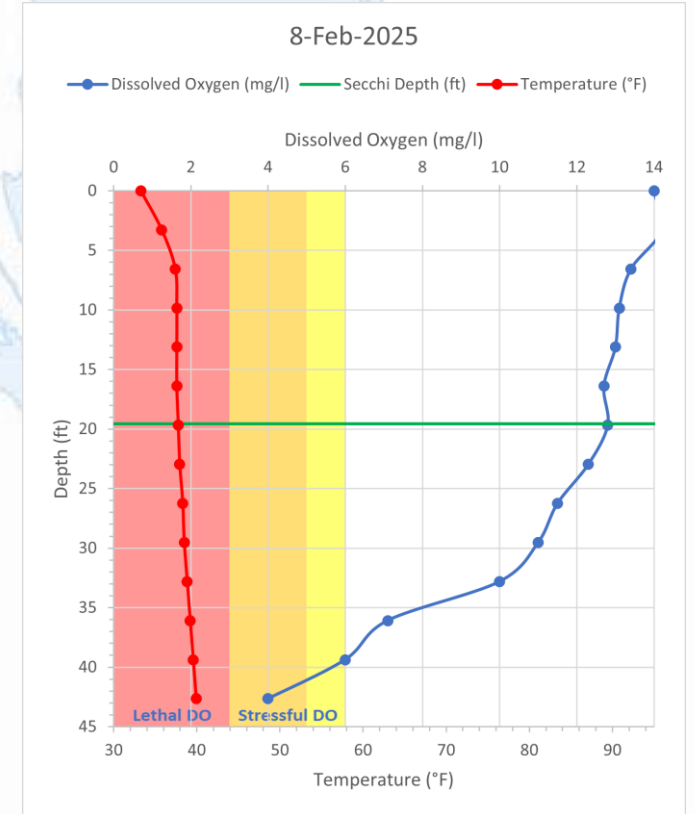
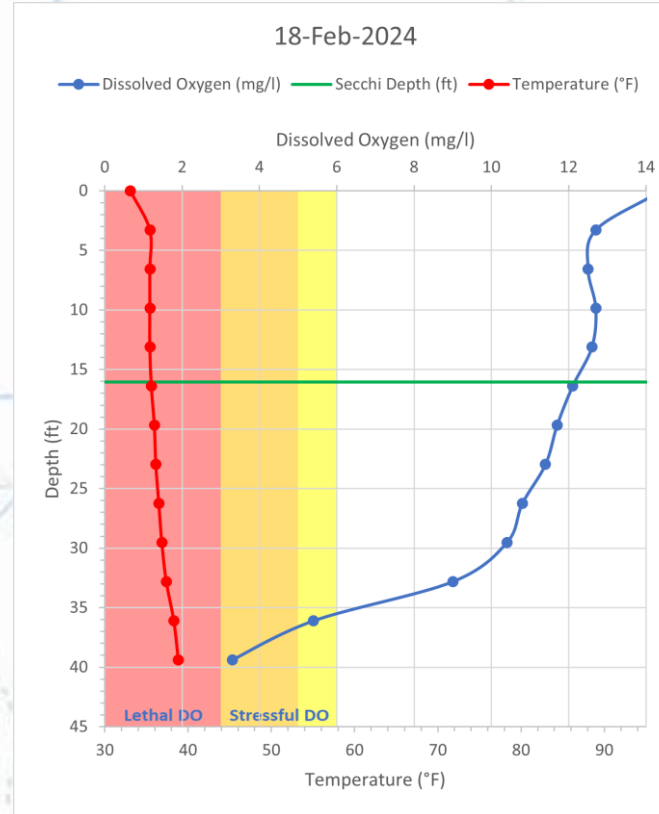
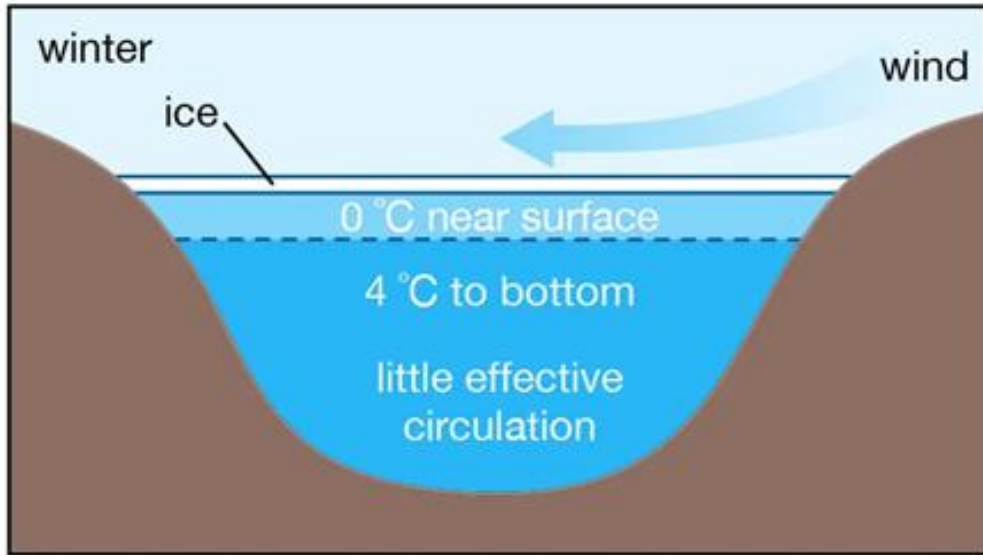
Dissolved Oxygen



Dissolved Oxygen

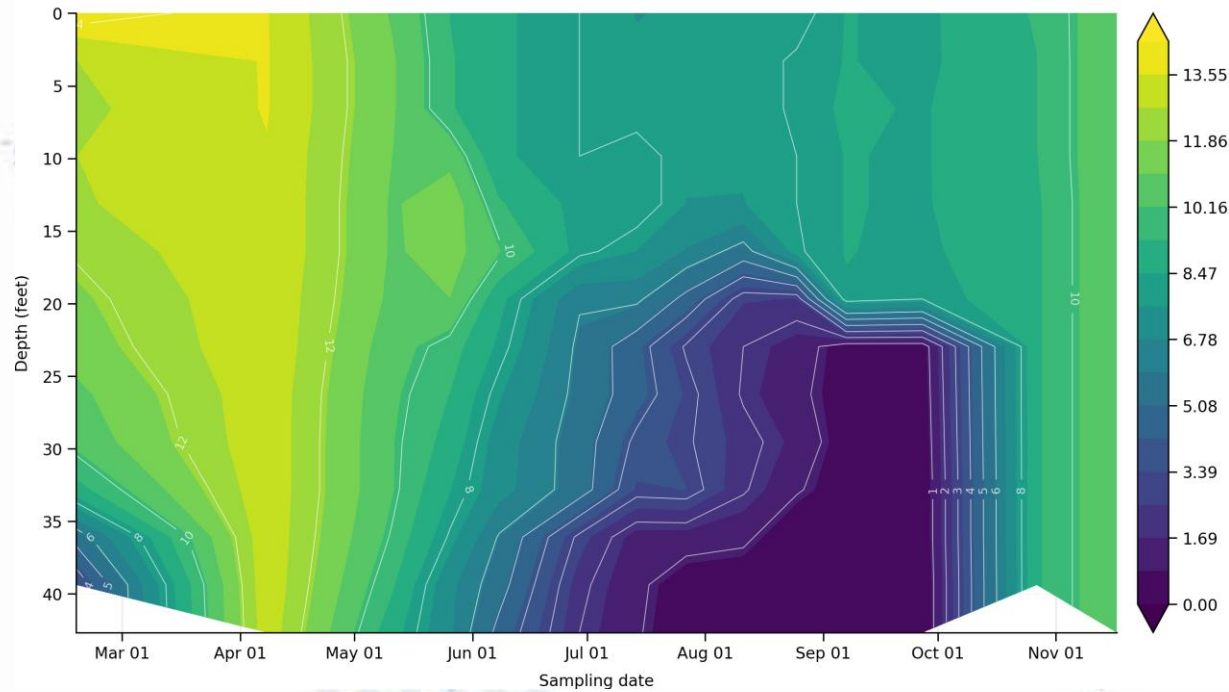


Dissolved Oxygen

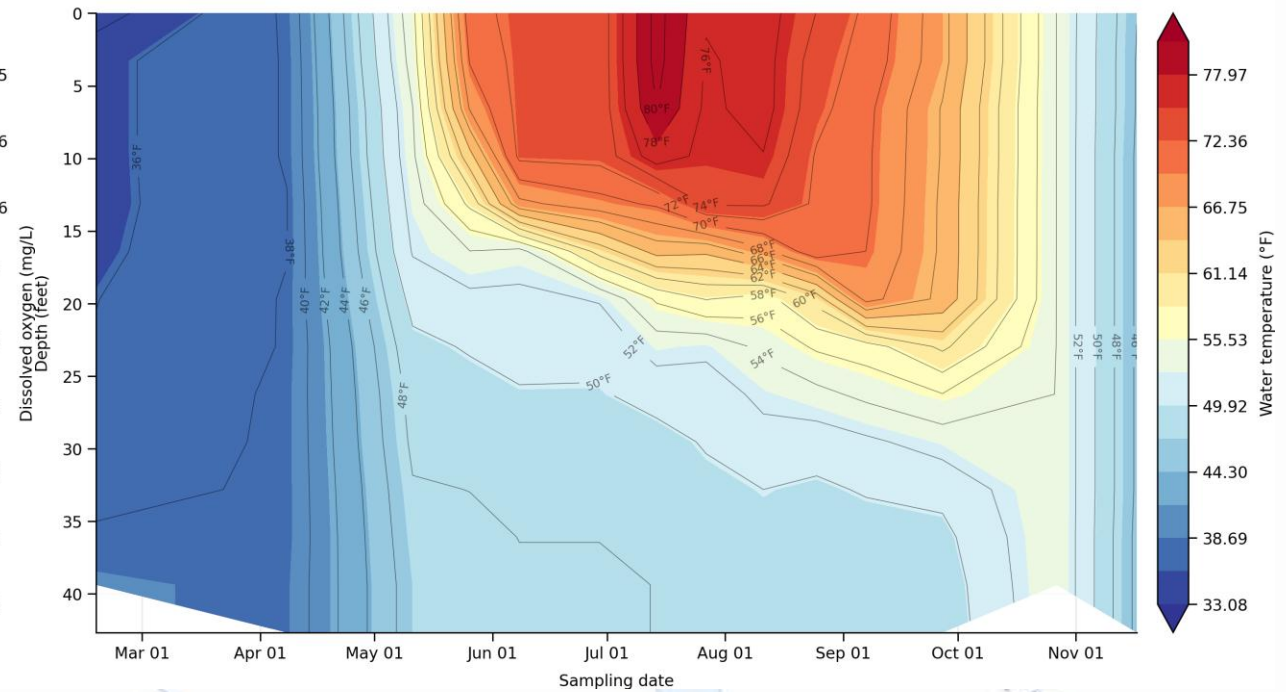


Dissolved Oxygen

2024 Dissolved Oxygen Contour Plot

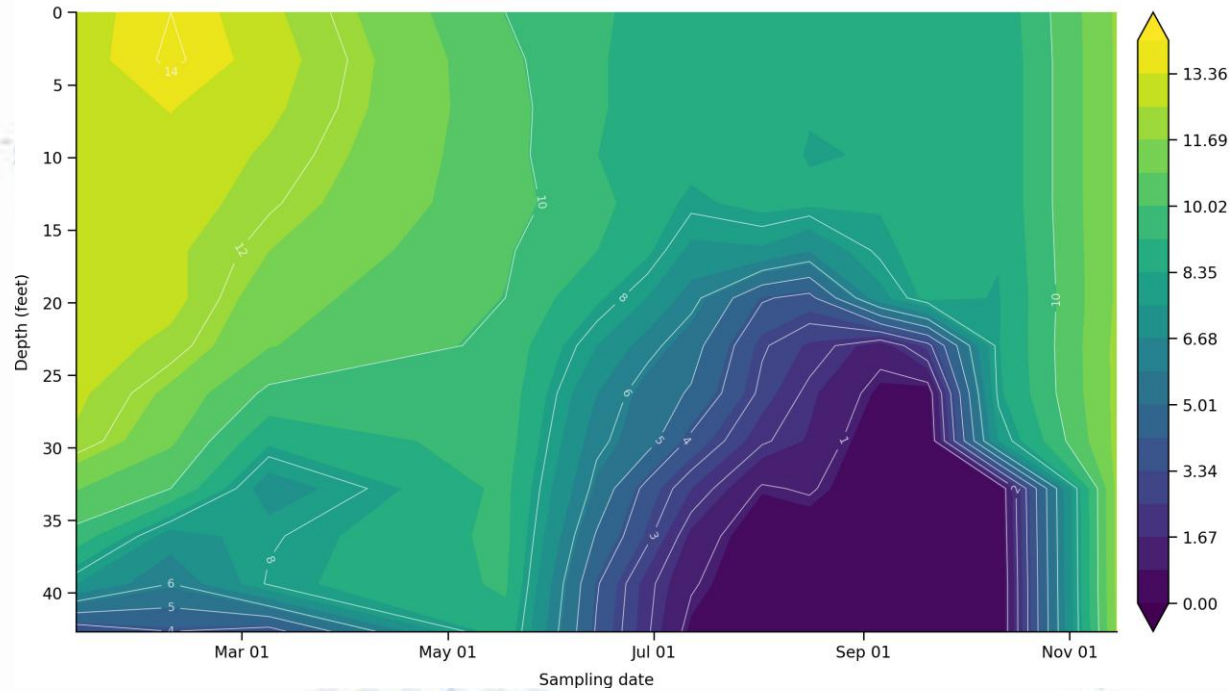


2024 Water Temperature Contour Plot

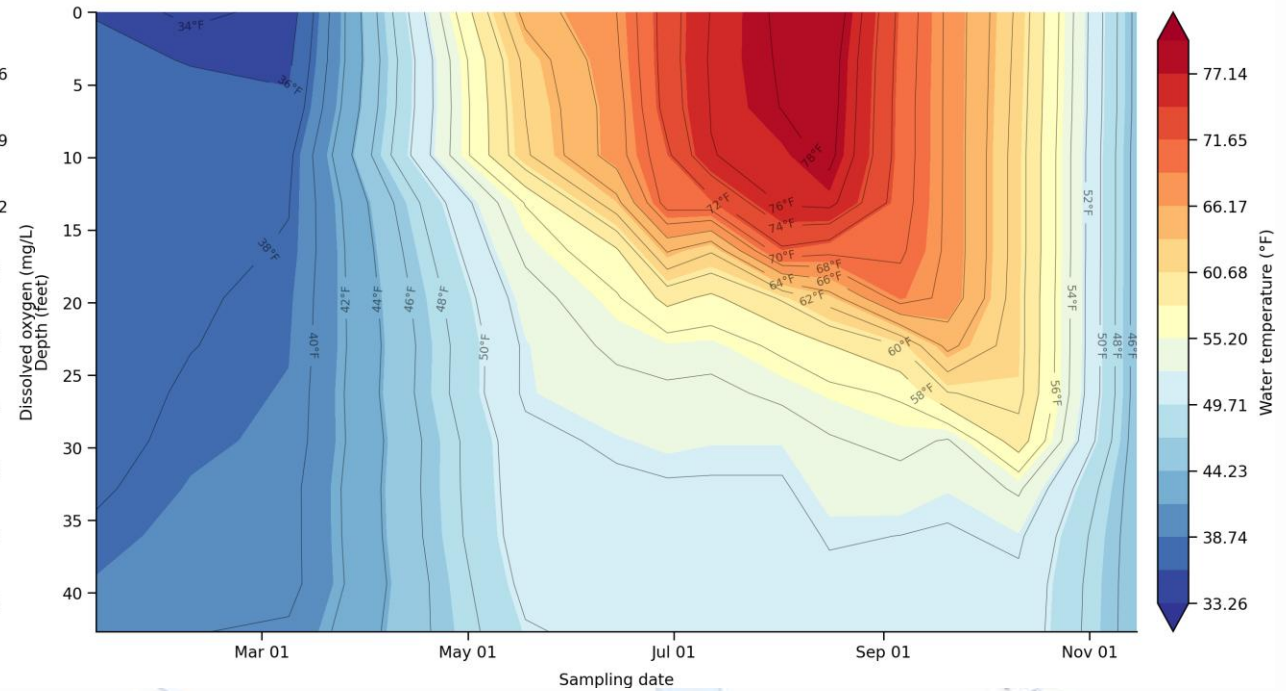


Dissolved Oxygen

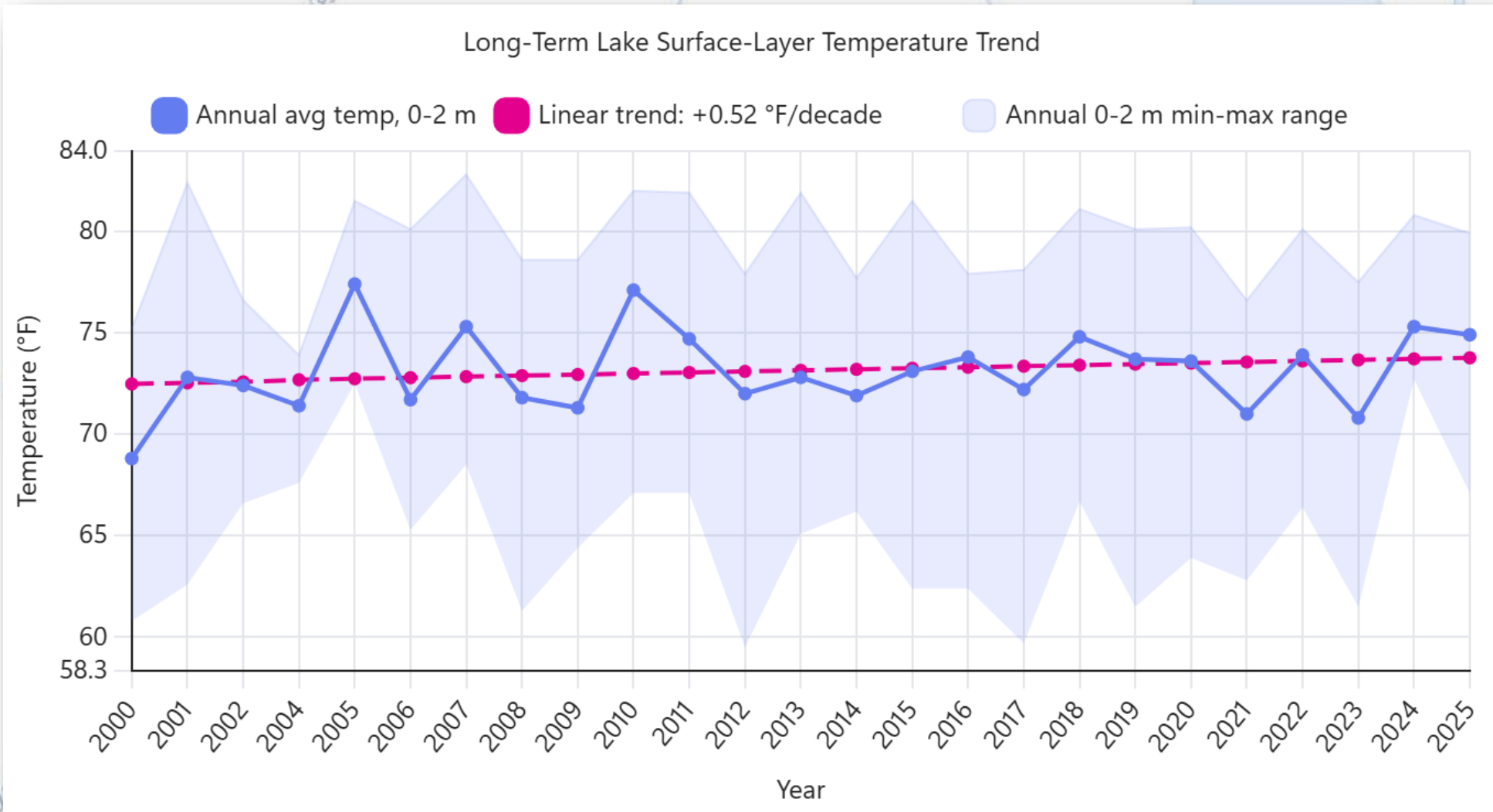
2025 Dissolved Oxygen Contour Plot



2025 Water Temperature Contour Plot

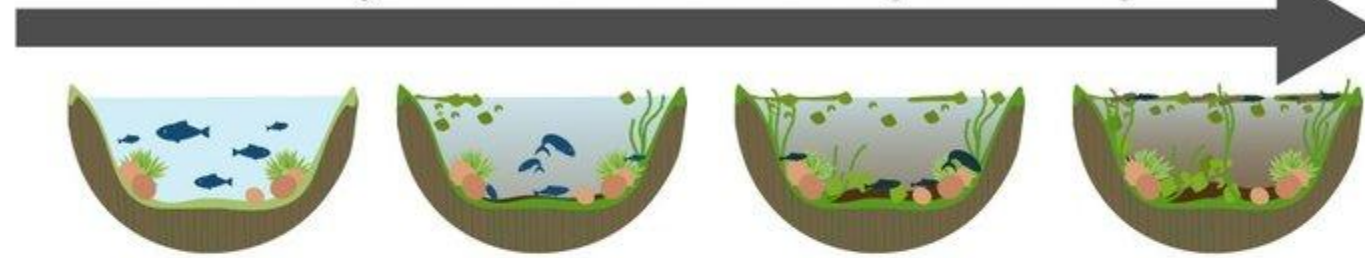


Temperature



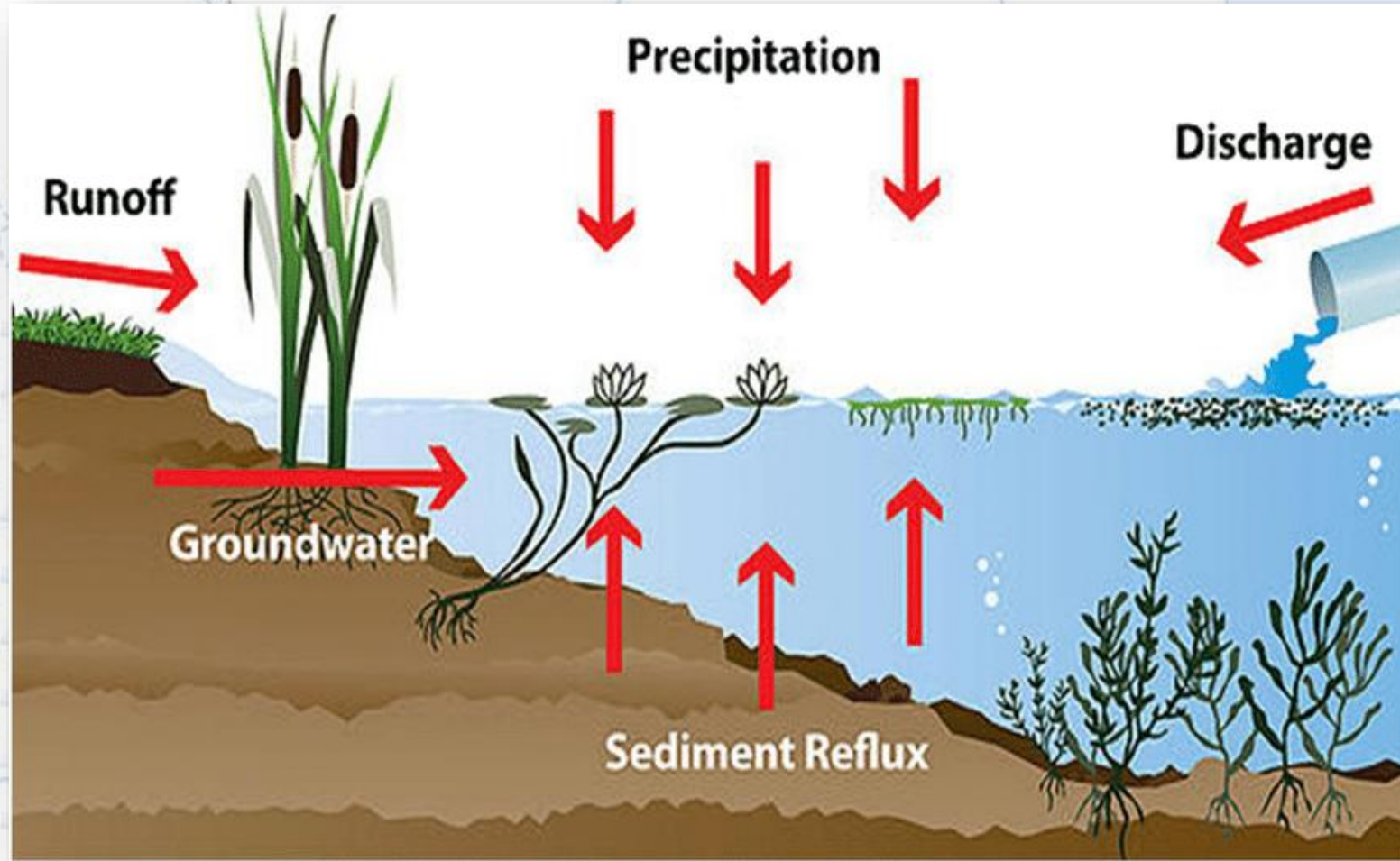
Trophic States

Increasing nutrient levels and lake productivity



Trophic Status	Oligotrophy	Mesotrophy	Eutrophy	Hypereutrophy
Secchi depth (m)	>5	1.6 - 5	0.7 - 1.6	<0.7
Chlorophyll A($\mu\text{g/L}$)	<2	2 - 10	10 - 30	>30
Total phosphorus ($\mu\text{g/L}$)	<10	10 - 30	30 - 60	>60

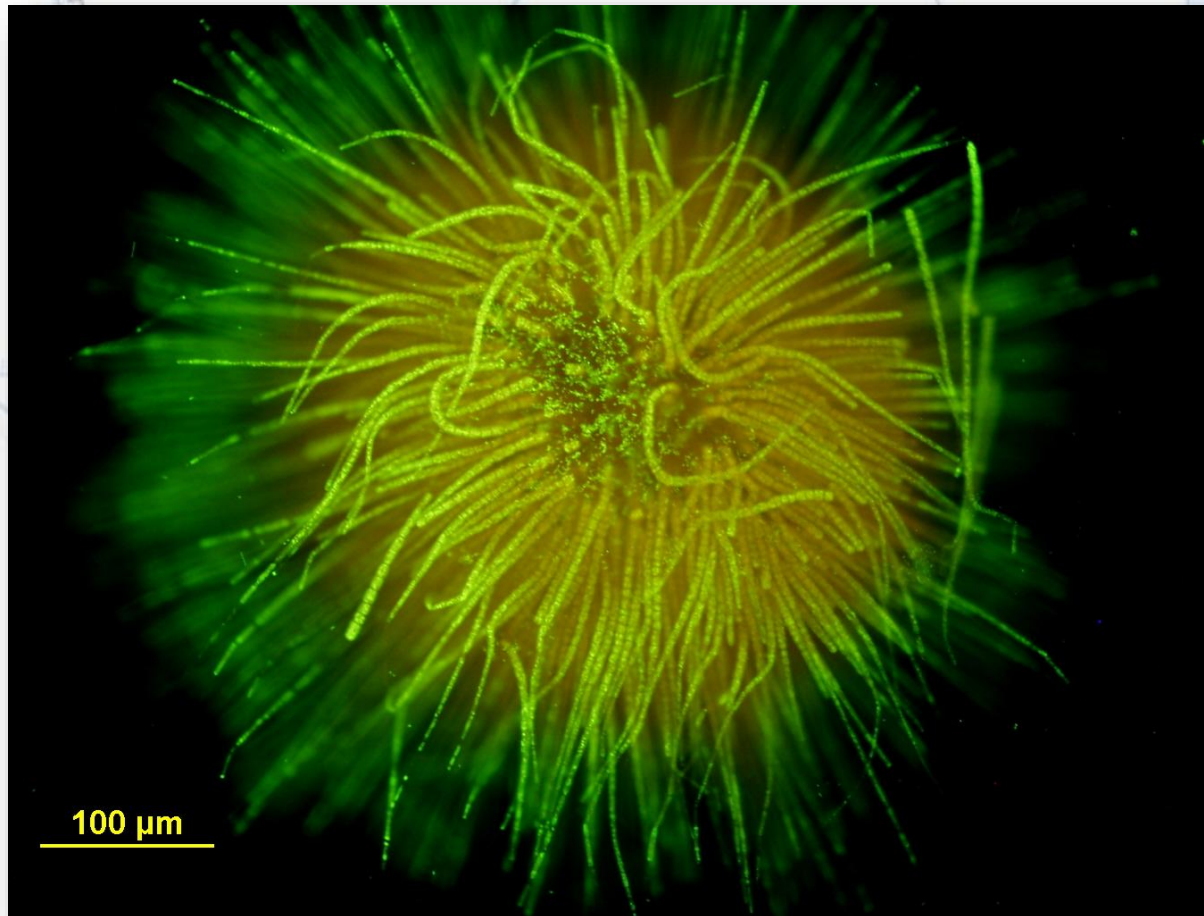
Phosphorus



Phosphorus

Total Phosphorus for Lake Anasagunticook (Surface Grab).					
Surface Grab in ppb or µg/l					
Year	June	July	August	September	October
2013			8	9	7
2015			4	5	6
2017		7	6	5	6
2018			6	4	4
2019		6	5	6	
2020	5	6	5		
2021	9		5		5
2022		6	3	7	
2023		8	9	9	
2024	6	9	4	7	
2025		4	6	5	
2026	6				

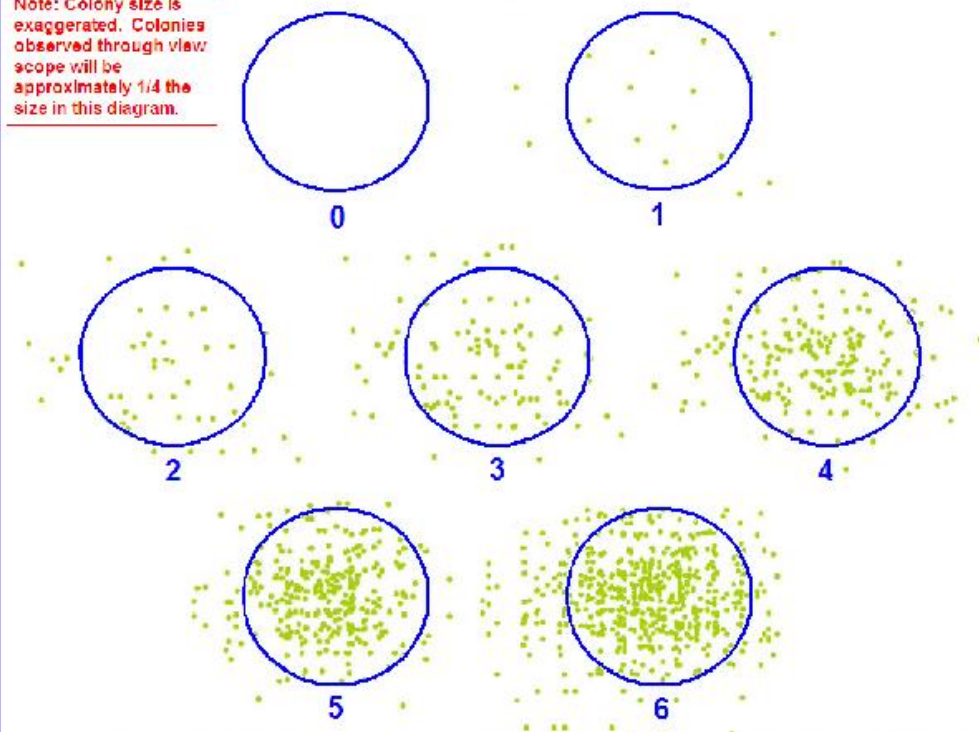
Gloeotrichia



Gloeotrichia

Abundance Estimation Density Scale for *Gloeotrichia echinulata*

Note: Colony size is exaggerated. Colonies observed through view scope will be approximately 1/4 the size in this diagram.

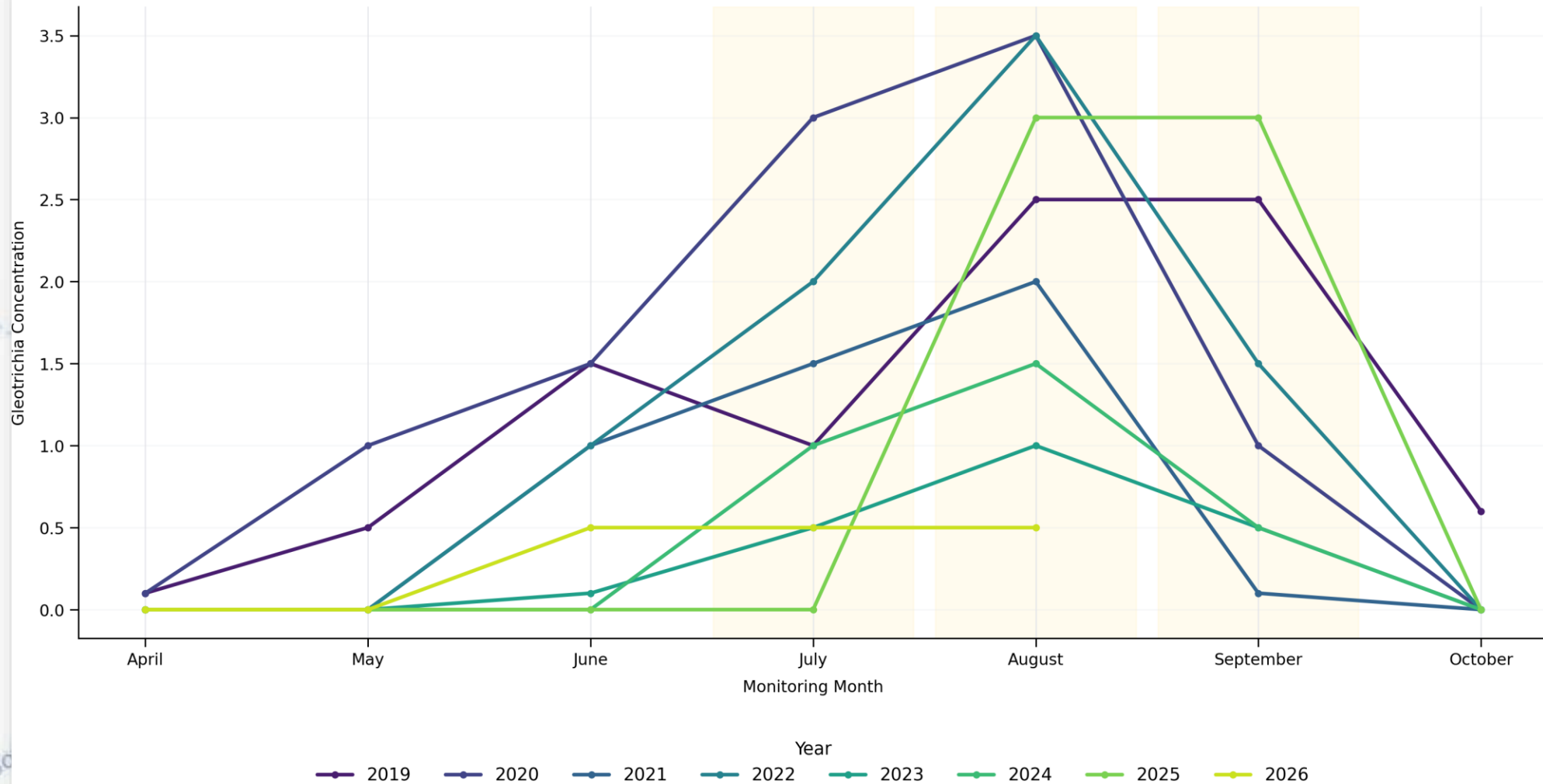


Densities in circles above represent what you might see through your view scope. Move the bottom of the scope around (approx. 3 feet) to verify that conditions are consistent. Record the date, time and GLOEO= _____ on your field sheet (& phone app, if you are using one).

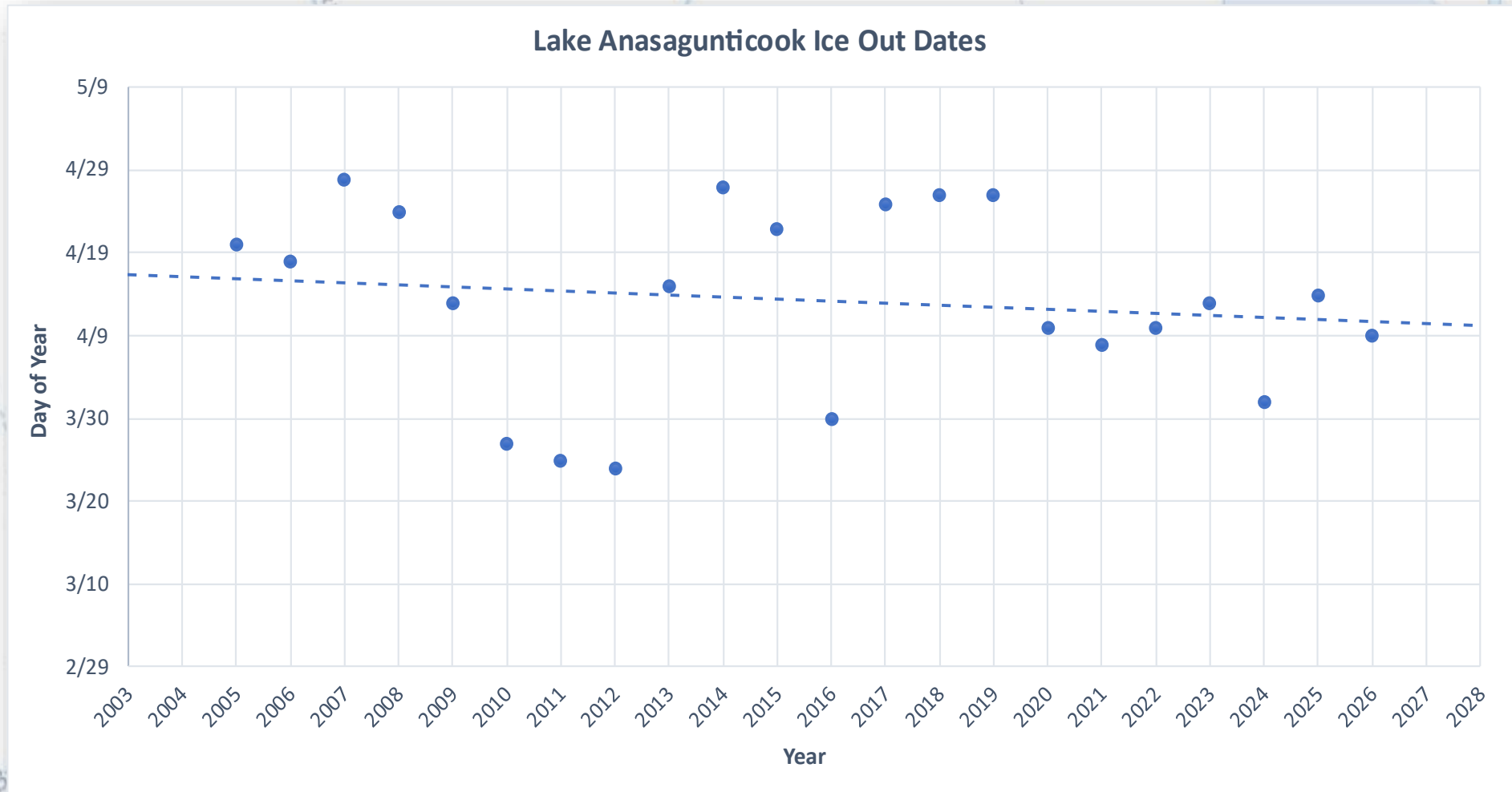
INVLMF v1 (2012)

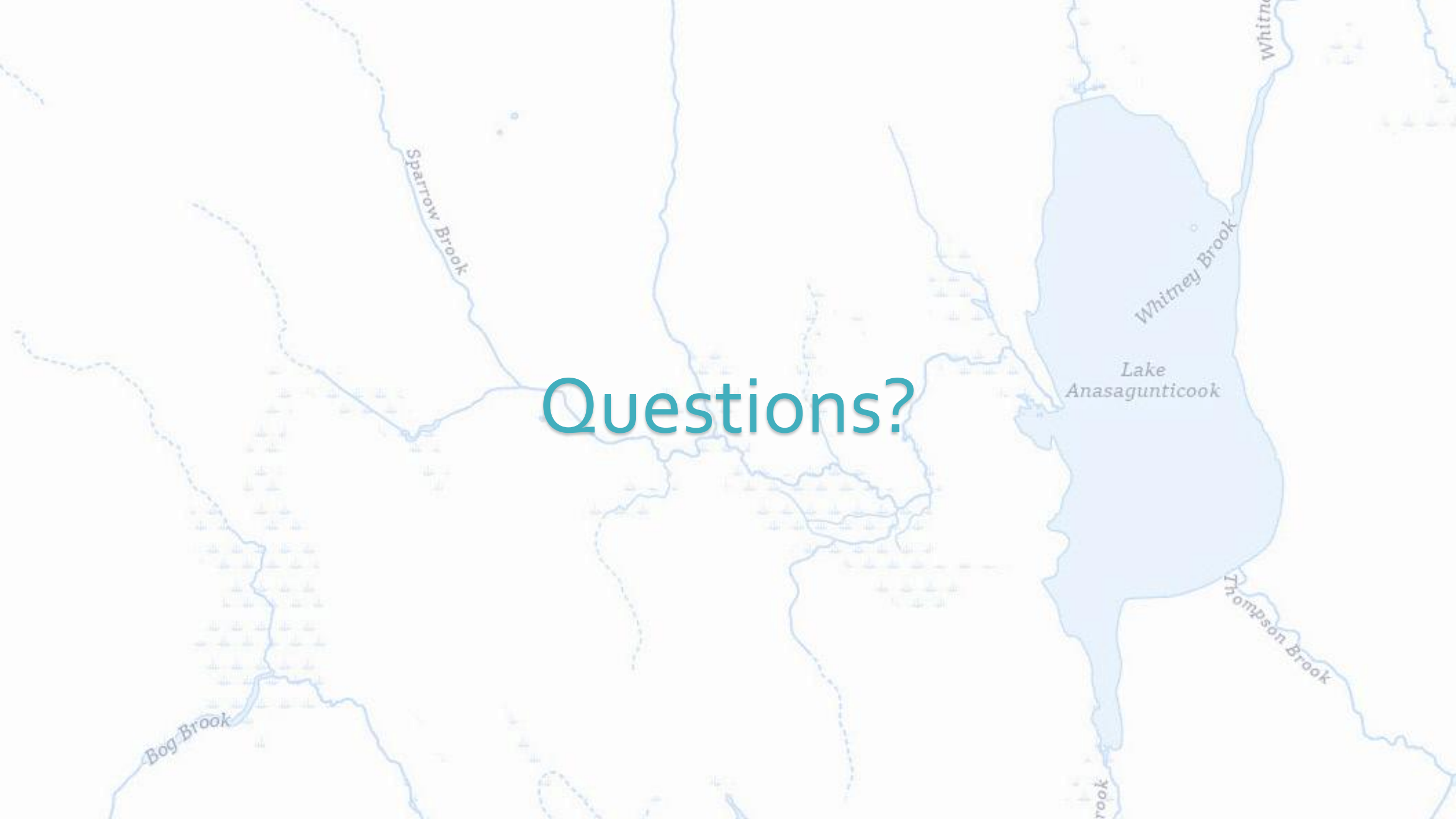
Gleotrichia

LAA Gleotrichia Concentrations | Lake Monitoring View



Ice-Out



A map showing Lake Anasagunticook, a large blue body of water on the right side. Several brooks are labeled: Sparrow Brook flows from the top left towards the center; Bog Brook flows from the bottom left towards the center; Whitney Brook flows from the top right into the lake; and Thompson Brook flows from the bottom right into the lake. The map also shows a network of smaller brooks and dashed lines representing boundaries or paths. The word "Questions?" is centered over the map in a large, teal font.

Questions?

A map of a region featuring Lake Anasagunticook, a large blue lake on the right side. Several brooks are shown as blue lines: Sparrow Brook flows from the top left towards the center; Bog Brook flows from the bottom left towards the center; Whitney Brook flows from the top right into the lake; and Thompson Brook flows from the bottom right into the lake. The text "New Business" is centered over the map in a large, teal-colored font. The map also shows various small islands and a network of roads or trails indicated by dashed lines.

New Business

A map of Lake Anasagunticook and its surrounding area. The lake is a large, irregularly shaped body of water in the center-right. Several brooks are labeled: Sparrow Brook to the northwest, Whitney Brook to the northeast, Bog Brook to the southwest, and Thompson Brook to the southeast. The map shows a network of waterways and some land areas with small green patches representing vegetation.

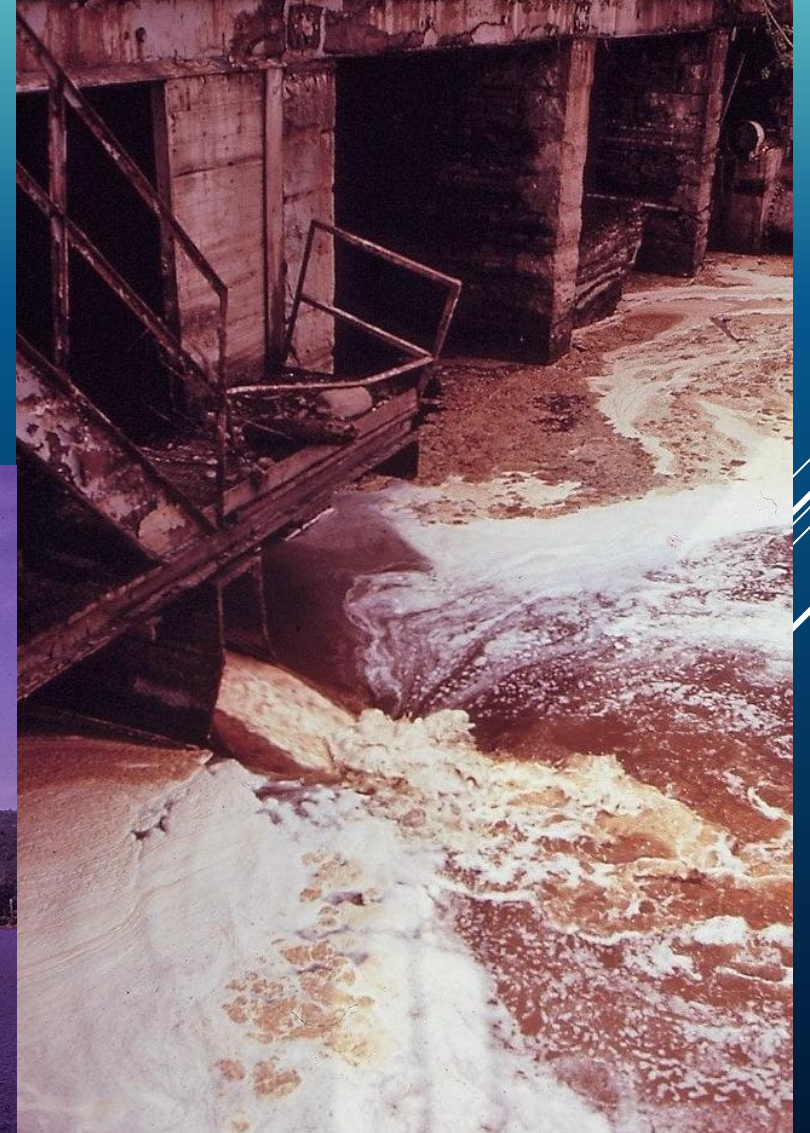
Adjournment

2027 Event Dates

Lake Days: August 14th

Annual Meeting: August 15th

The Clean Water Act



Photos by Charles Steinhacker, 1973

A Distributed Problem



Foresight: Distributed Approach



Credit: Maine DEP

Public participation in scientific research

- ▶ Expands geographic coverage
- ▶ Supports long-term monitoring
- ▶ Builds scientific literacy
- ▶ Bonney et al. 2009, BioScience

WHAT IS COMMUNITY SCIENCE?

Several white lines of varying lengths and slopes are positioned in the bottom right corner of the slide, creating a modern, abstract graphic element.

- ▶ Agency capacity alone is insufficient
 - ▶ Frequent sampling May–September
 - ▶ Long-term data continuity
 - ▶ Dickinson et al. 2012

WHY VOLUNTEER MONITORING MATTERS

Our Mission



To protect Maine lakes and to promote lake stewardship through widespread citizen participation in the gathering and dissemination of credible scientific information pertaining to lake health.



Our Treasured Volunteers



LSM FLAGSHIP PROGRAMS

Water Quality Program



Aquatic Invasive Species Program



www.lakestewardsofmaine.org

OTHER PROGRAMS

Community Watershed Surveys and Grants



Lake Ice Cover Tracking



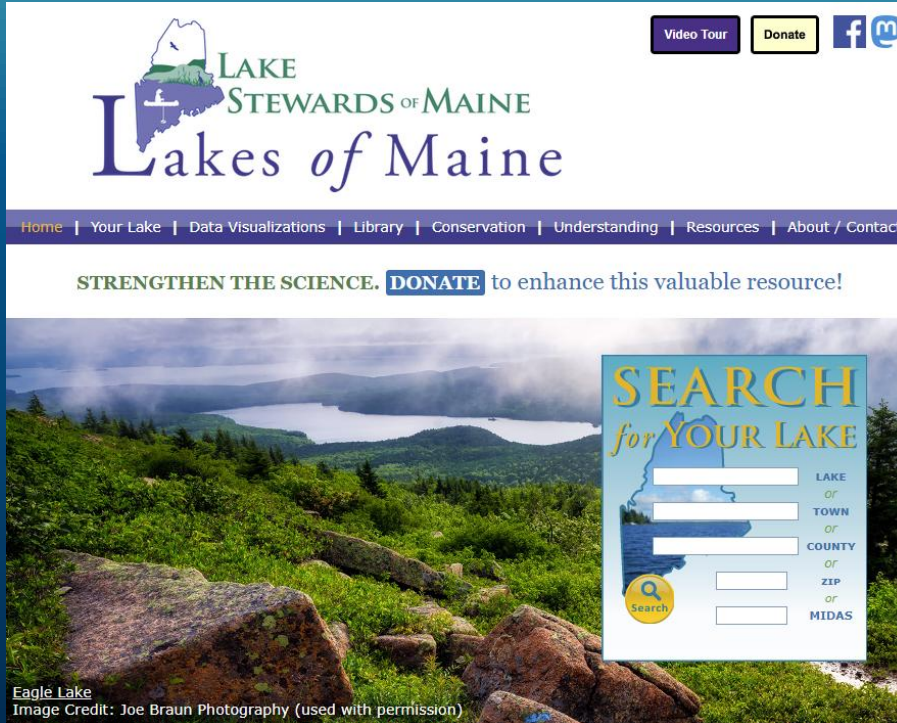
And....

- Cyanobacteria
- eDNA Sampling
- Gloeotrichia
- Invasive Crayfish
- Metaphyton
- Native Lake Plant Species Surveys

<https://www.lakestewardsofmaine.org/volunteer-programs-tools/>



DATA REPOSITORY

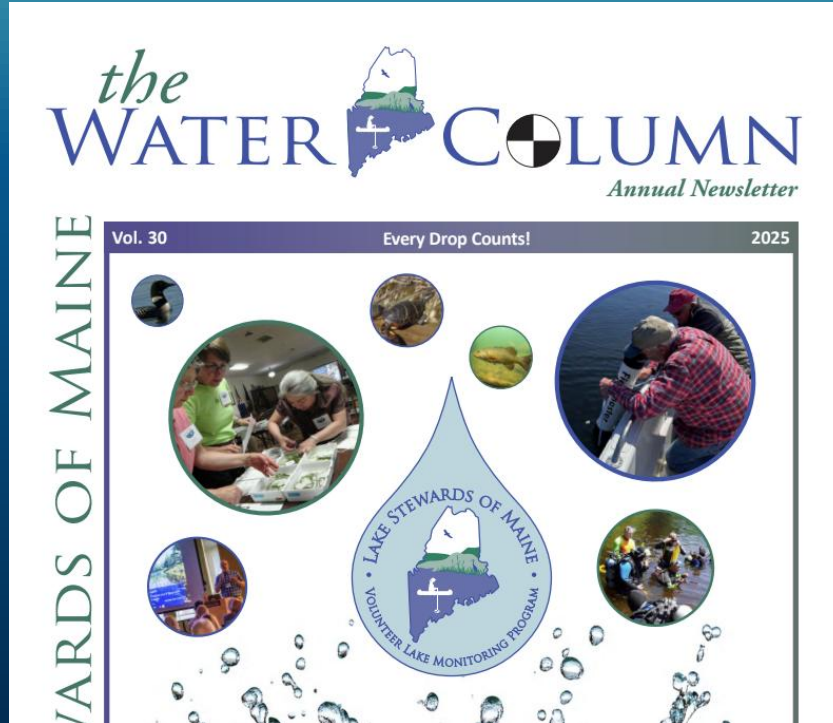


www.lakesofmaine.org

Has data on:

- Water Quality,
- Lake Plants,
- Geomorphology,
- (Audubon) Loons,
- (IF&W) Fishes,
- Boat Launches,
- Conservation land,
- and more...

NEWSLETTER



www.lakestewardsofmaine.org/resources/water-column-newsletter/

Partnerships



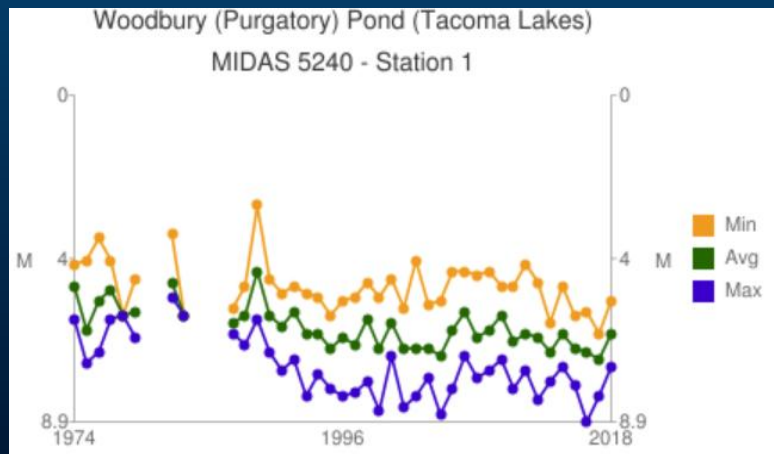
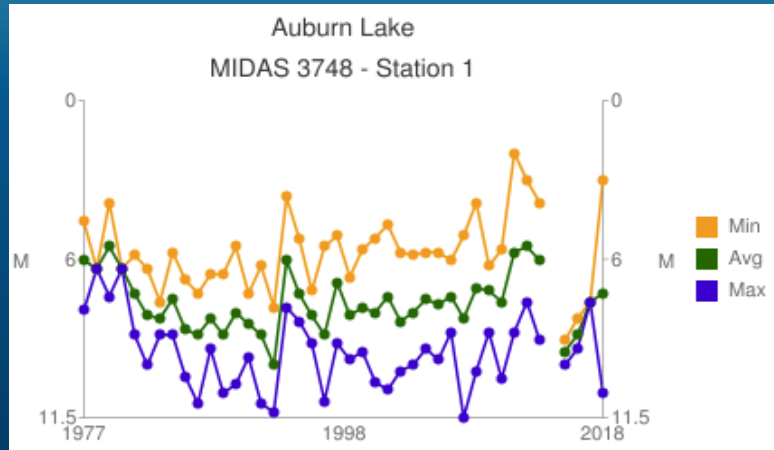
LAKE PROTECTION COALITION



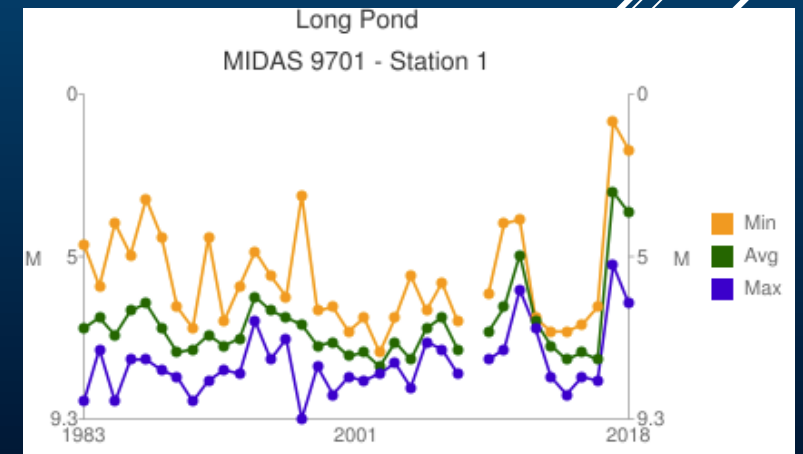
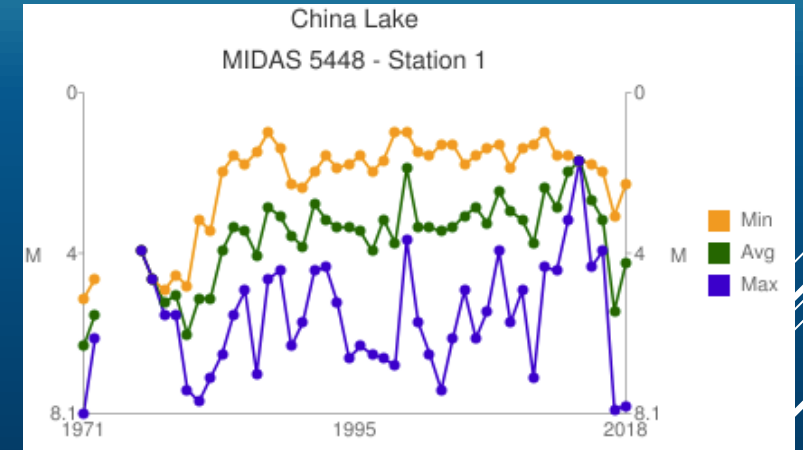
Advocacy Matters...
at the State...
in your town...
to your neighbors.
It Matters for the Lakes.

www.lakeprotectioncoalition.org/act-now/

The Value of Simple Water Quality Monitoring



Collected water
quality data on ~85%
of all Maine lake
acreage



- ▶ Reveals climate trends
 - ▶ Supports policy decisions
 - ▶ Improves statistical reliability
 - ▶ Carpenter et al. 2011

POWER OF LONG-TERM DATA

- ▶ Integrate watershed & climate signals
 - ▶ Track temperature & nutrient shifts
 - ▶ Williamson et al. 2009

LAKES AS CLIMATE SENTINELS

LSM WATER QUALITY DATA

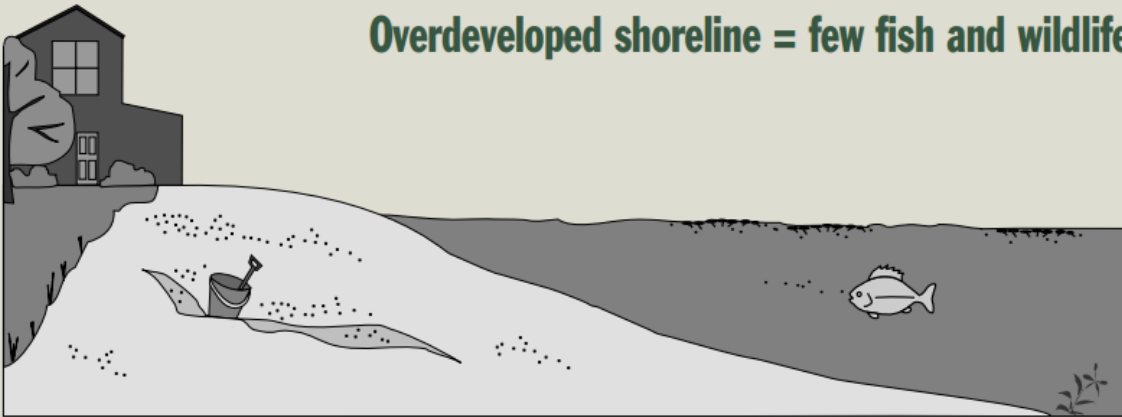
- ↳ Relative stability?
- ↳ These are not in fact random...
- ↳ Higher sampling, higher stewardship.
- ↳ Examples like Sebasticook for lake management.
- ↳ Increase of Cyanos? Temperature and historic nutrients? Timeframe for seed stock population boom?



Lightly developed shoreline = lots of fish and wildlife



Overdeveloped shoreline = few fish and wildlife



Amy B. Beyer

DEVELOPMENT PRESSURE...

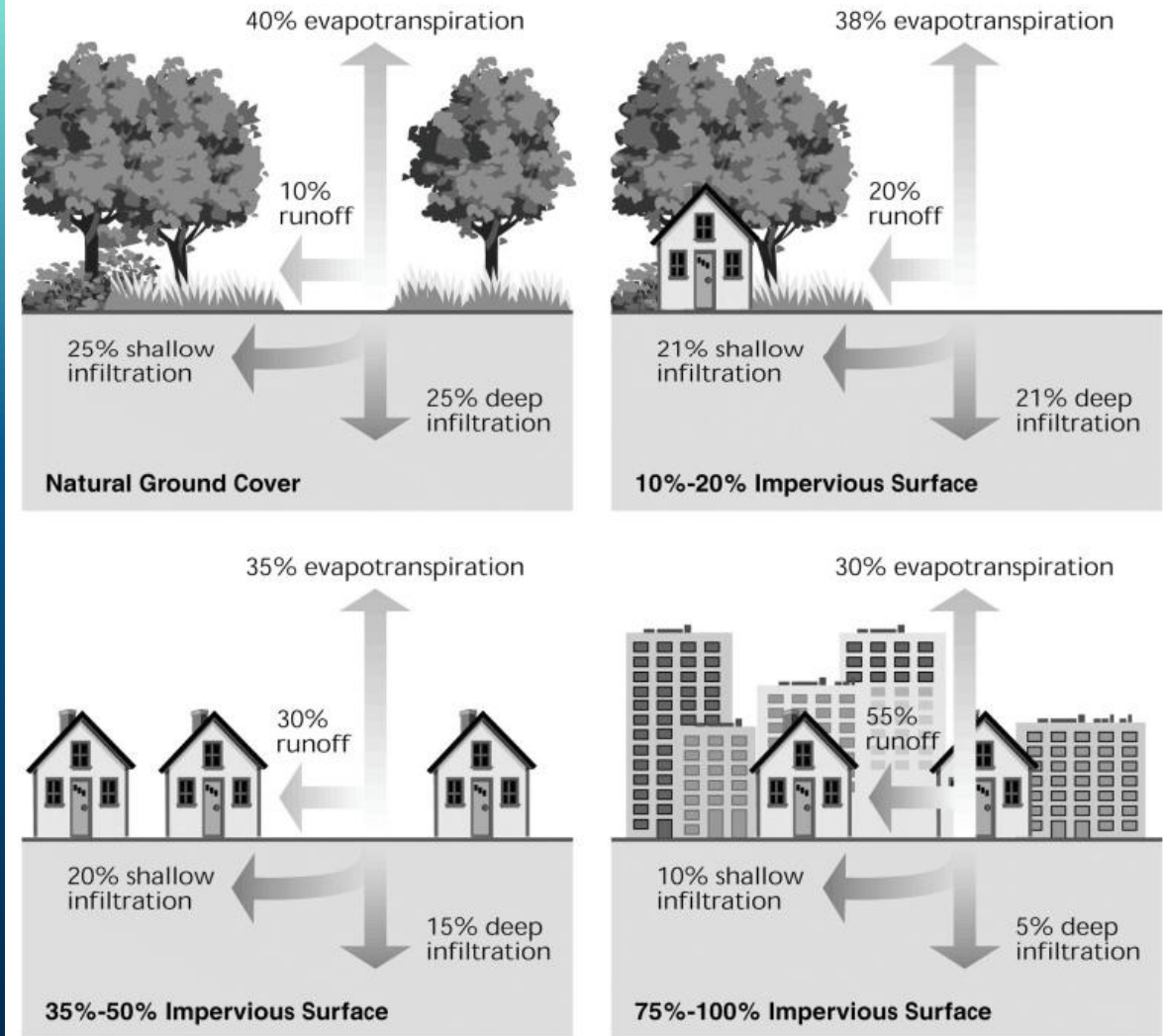


Figure 1. Diagram that demonstrates how increasing impervious surface area within a watershed impacts the water cycle and drastically increase the volume of stormwater runoff (Federal Interagency Stream Restoration Working Group).

- ▶ Shoreline erosion and buffer removal
- ▶ Improper construction near waterbodies
- ▶ Failing septic systems
- ▶ Stormwater runoff and phosphorus pollution
- ▶ Wetland disturbances and unpermitted filling
 - ▶ Reckhow et al. (1980); Chapra and Canale (1991); Vanni et al. (2011); Zhang et al. (2019); Nürnberg et al. (2020); Rosen et al. (2020); Huser et al. (2021); Robertson et al. (2021); Meadows et al. (2025)

NON-POINT SOURCE POLLUTION

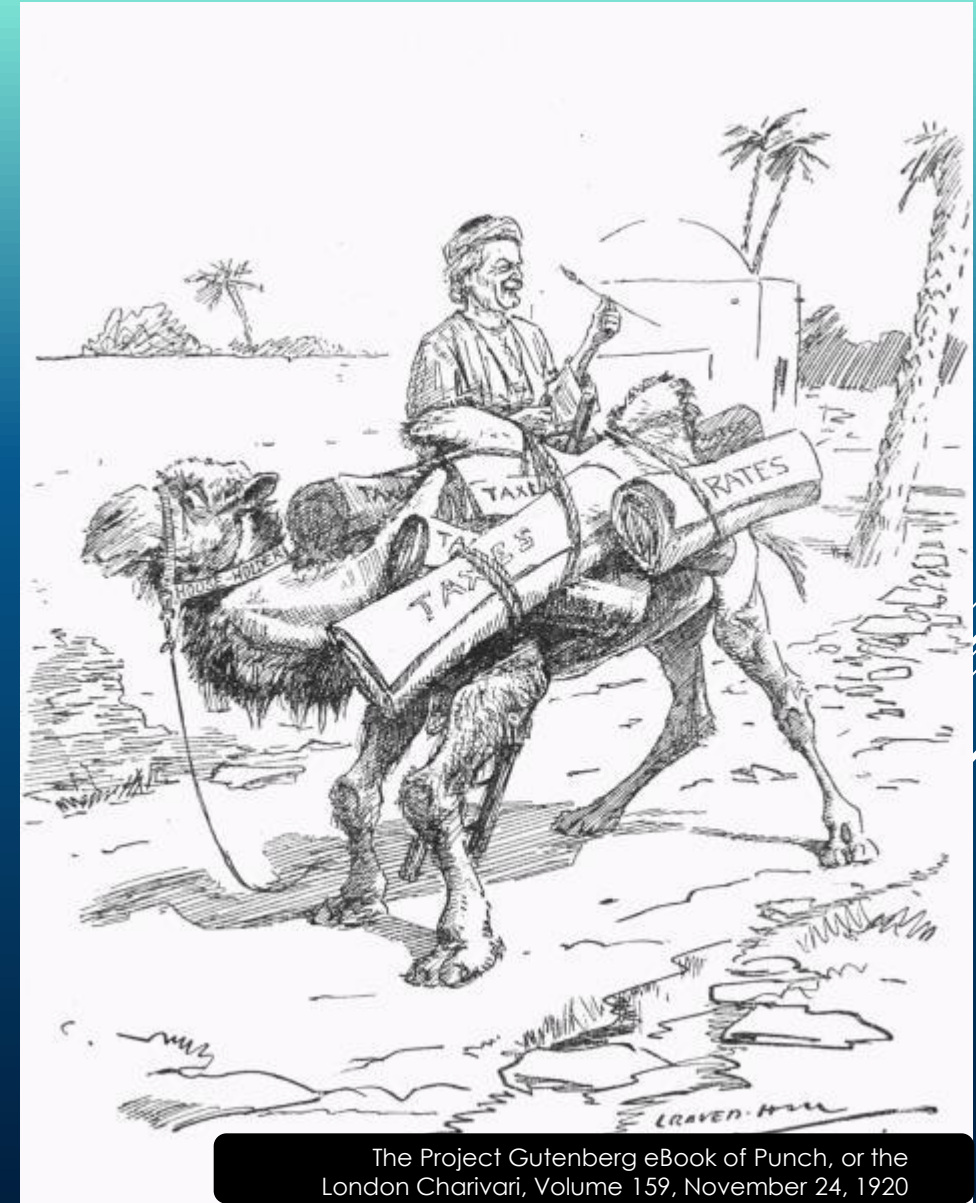


THE LAST STRAW

The Camel Driver. "NOW, WHICH HUMP HAD THIS BETTER GO ON?"

The Camel. "IT'S ALL THE SAME TO ME. IT'S BOUND TO BREAK MY BACK ANYHOW."

**CHANGE IN THOUGHT
NON-POINT POLLUTION AND
CLIMATE CHANGE**



The Project Gutenberg eBook of Punch, or the London Charivari, Volume 159, November 24, 1920



- ▶ We are facing the combined “weight” of years of agriculture, forestry, residential development.
- ▶ Climate change exacerbates the issue.
- ▶ Many Lakes are on the tipping point.

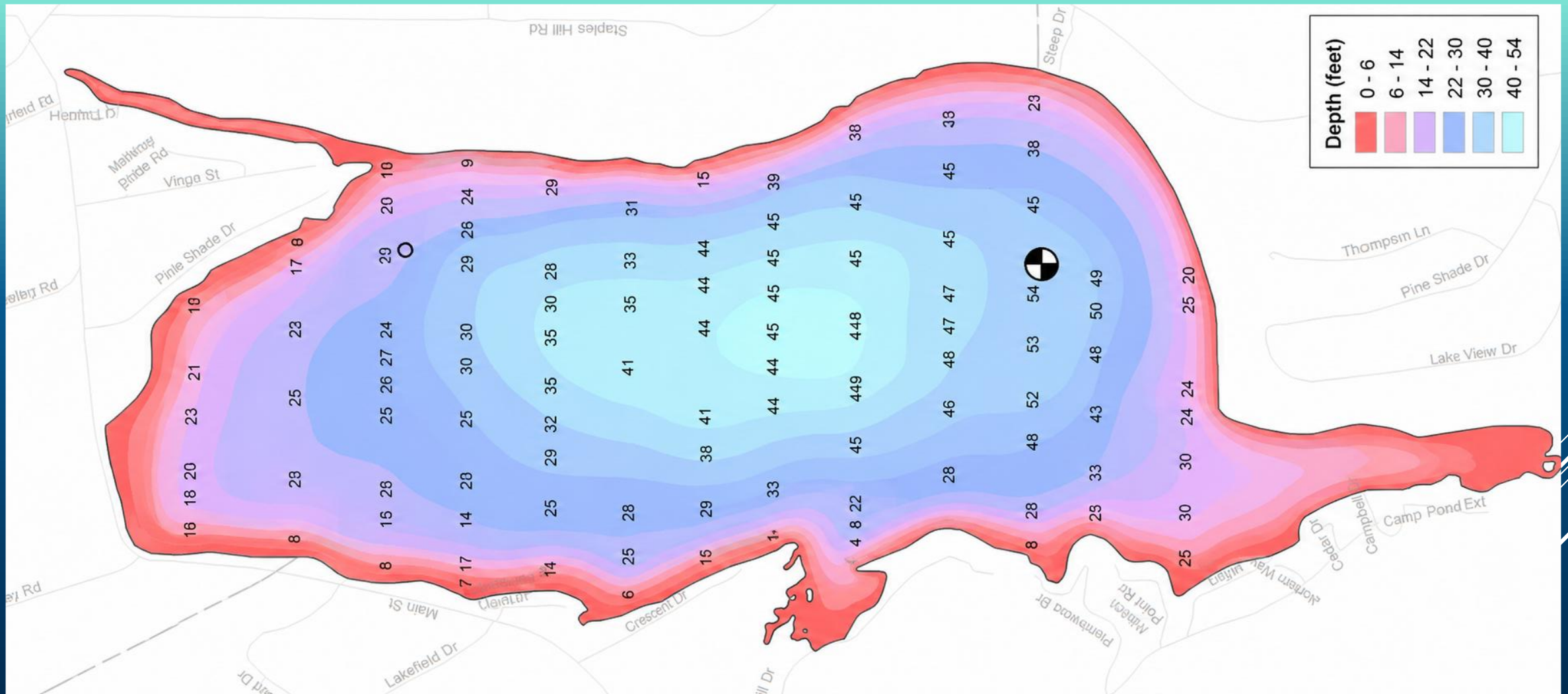
NON-POINT POLLUTION AND CLIMATE CHANGE ARE THE THREAT TO MAINE'S LAKES





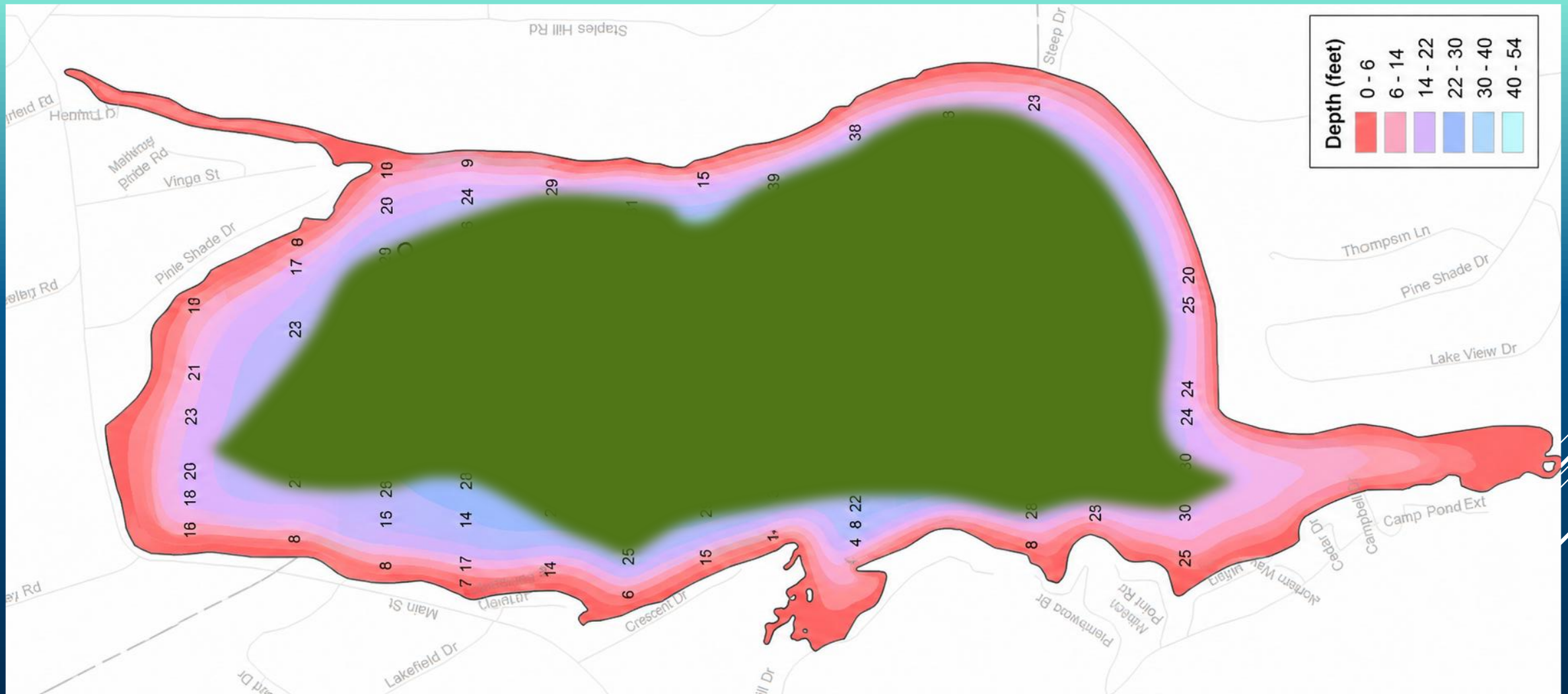
WHAT TO DO...

INTERCEPT RAINFALL...



WHAT TO DO...

WATCH THE ANOXIA

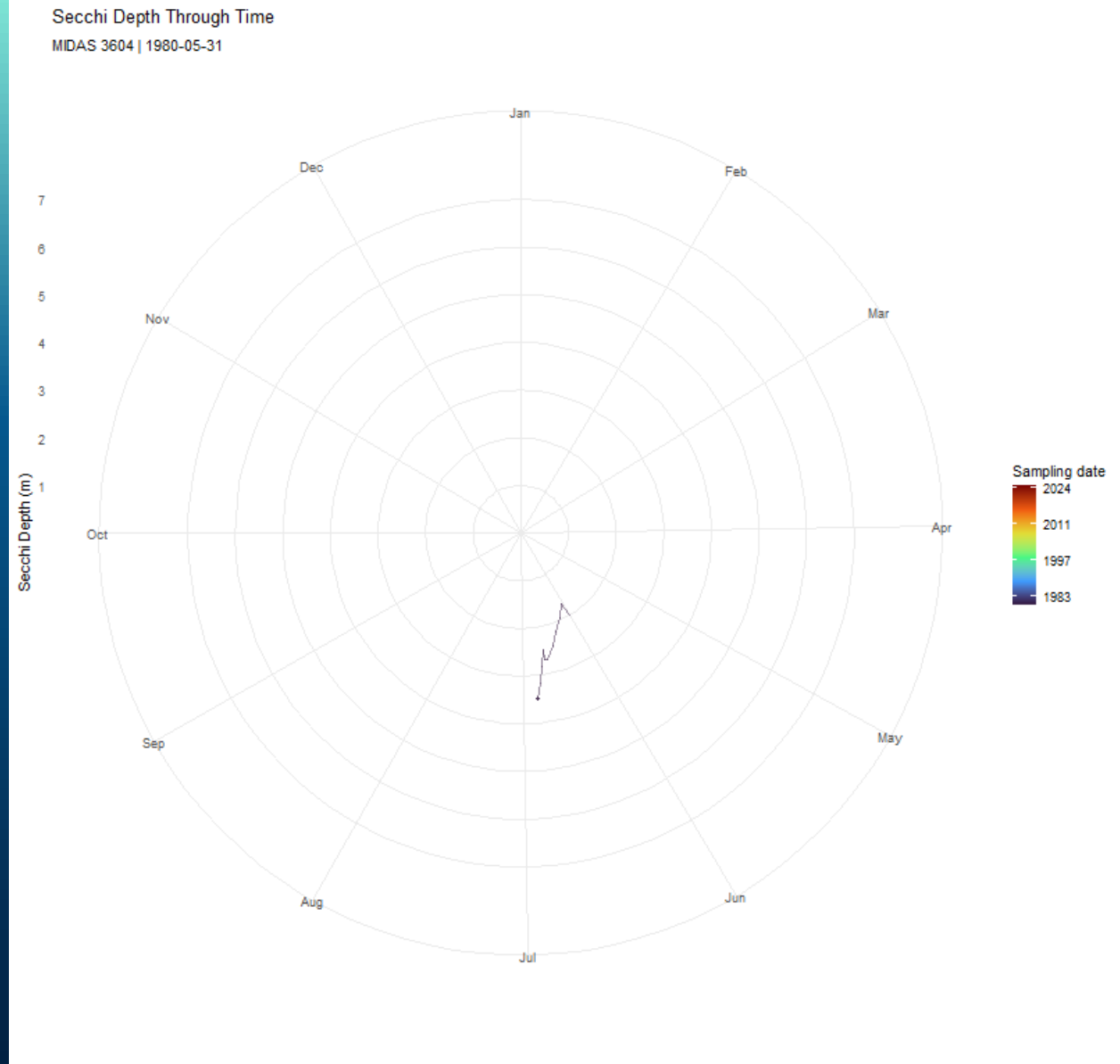


WHAT TO DO...

WATCH THE ANOXIA... LATE SUMMER

WHAT TO DO...

MONITOR OVER TIME – SECCHI



WHAT TO DO...

MONITOR OVER TIME – TEMPERATURE (AT 2 M)



WHAT TO DO...

MONITOR OVER TIME – OXYGEN (AT 10 M) /





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