

Lake Anasagunticook Assn. Annual Meeting



August 14, 2022

Attendance 2022 Annual Meeting:

- Liz Rothrock
- Gerry Rothrock
- Mary Ellen Kirwan
- Richard Ray
- Diane Ray
- Tim Kirwan
- Joanne Bartlett
- Gayton Bartlett
- Cyndi Phillips
- Tim Bernard
- Chris perry
- Denise Anthony
- Mary Seaman
- Tom Hamilton
- Judy Hamilton
- Carolyn Gray
- Gary Dougherty
- Mike McCluskey
- Jeff Stern
- John Taylor

Agenda



Call To Order

Remembrance of Members who have passed

Membership Recognition

Review Minutes from Annual Meeting 2021 – motion made and carried to accept meeting minutes

Watershed Mitigation –Jeff's update

President's Report for 2021-2022

Proposed Structure to meet 2023 goals

Elections: Directors, Officers

Treasurer's Report

Water Quality/Climate Change

New Business

In Remembrance

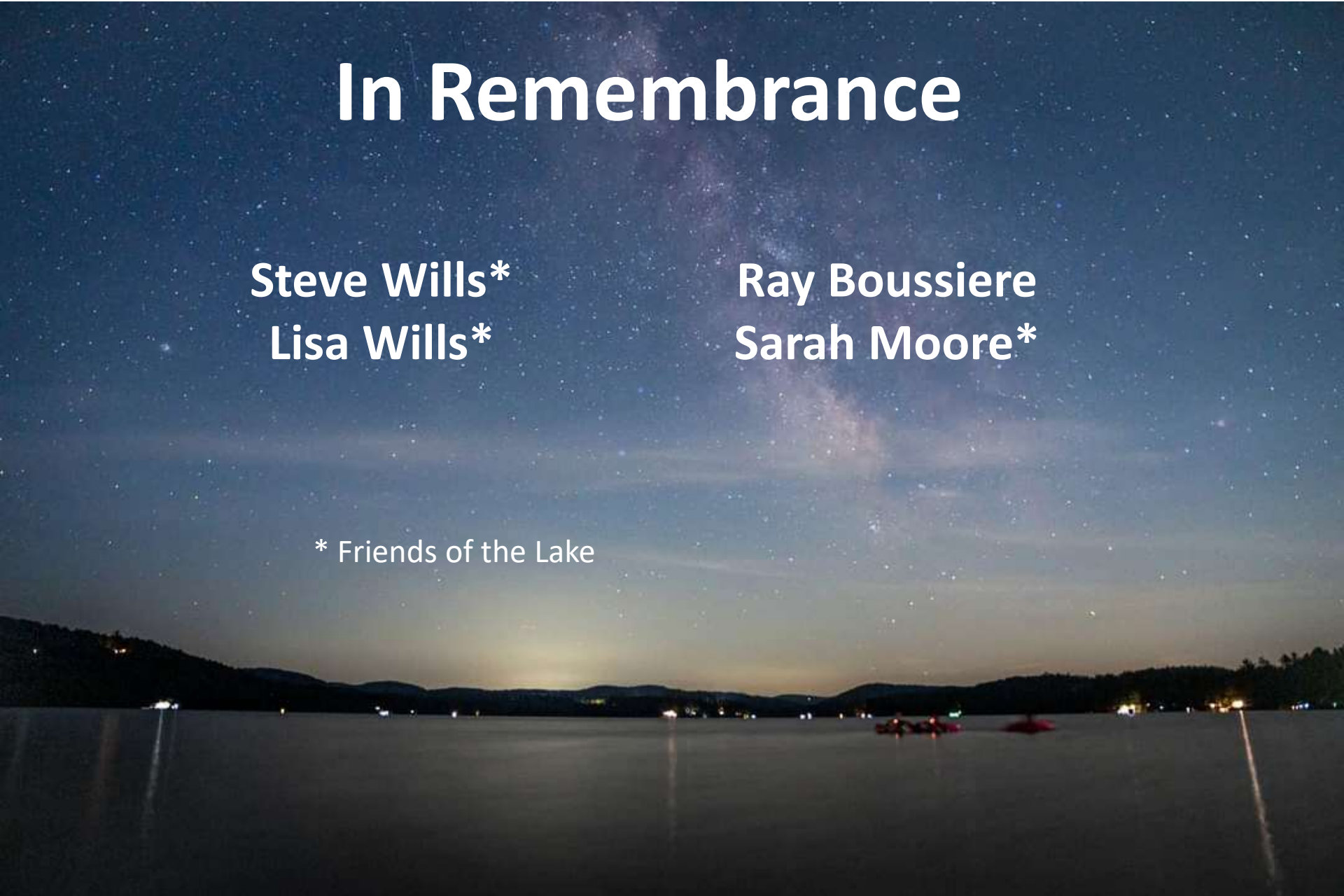
Steve Wills*

Lisa Wills*

Ray Boussiere

Sarah Moore*

* Friends of the Lake



President's Report



It seems we are entering a new “post-Covid” phase of life and it a good time to recap the last couple years and put forth some forward-facing challenges to the organization.

People rose to the challenge to stay involved/active!

During the past 2 years we had many activities that gave members, and the public, a chance to connect with the LAA – the net result is wider favorable impressions of LAA, new members, more people more informed about lake quality!

- Dock Dash
- Moonlight Lake Paddle
- Annual Members’ Meeting
- 4+ Board meetings (via Zoom) per year with good attendance
- Web site updates
- Updates to Select Boards – Canton/Hartford
- Connect w/Canton Water District
- On-line Raffle
- Bucket Hat Sale
- Info Booth/Raffle at Bicentennial
- Newsletters/Digital Posts
- Snail wrangle, Ice Cream event
- Picnic table donation
- Newsletters to members & public
- Regular contact with code Enforcement Officers
- Chicks with Sticks Event (100+ in attendance safely ☺)
- Snack Shack Event/Fund Raiser
- Clean Water Act Anniversary
- Audubon Loon Count
- Canton road shore clean up
- Boat Landing trash management

Lake water quality is in a good place... and getting better!

Dr. Tom Hamilton has graciously contributed his time to continue monthly water quality monitoring as well as reporting trends to the board, to members at the annual meeting and on public forums- the more people in the know the better! Several people are working to get trained to assist and help reduce the burden to Dr. Hamilton. Both Canton & Hartford contribute financially to the LAA efforts at water testing (thank you!). The Canton Water District also reports improved water quality.

Watershed Survey and subsequent Grant to mitigate run-off hot-spots is almost completed.

Lake Smart is alive and well!

During the past two years 8 properties have had Lake Smart evaluations and are being submitted to the program for final determination. Changes in the program and human malaise had slowed the process that is now back on track. Have you had your property reviewed for optimum water quality landscaping? If not, now is the time!

LAA is financially solvent: Beyond membership dues the public, members and, often, Board members lead the way in supporting the organization’s initiatives. Kudos!

Going forward: The vitality of the organization is directly related to member engagement – please consider how YOU can participate and help address strategic initiatives.

- Help us create new/fun activities
- Help us get friends/neighbors involved
- Moving to a younger membership base
- Continuing water quality efforts

Proposed Structure consistent within our By-Laws



Each Committee needs a Chairperson

Directors Proposed for 2022 – 2023

Name

Tim K – Interim Pres

VP - Open

Diane Sec

Bill Gray

Carolyn Gray

Maryellen Baron

Tim Bernard

Mike McCluskey

Nominations

**Judy – Treasurer 1 year
assignment**


Jobs that can be done from WAH people?

Committee Members



Finance/ Fund
Raising

TBD



Membership/
Outreach/
Communication

Judy Hamilton
Liz Rothrock
Polly Bussierre
Joanne Bartlett



Activities/
Events

TBD



Judy moved, Joann seconded motion to approve 2023 budget. Motion approved.

	LAKE ANASAGUNTICOOK ASSOCIATION		
	Treasurer's Report Budgets 2021 through 2022		
	INCOME	BUDGET	BUDGET
	7/1/2021-6/30/22	7/1/2021-6/30/2022	7/1/2022-7/30/2023
INCOME			
Dues	Details being developed	\$1,200.00	1200.00
Unencumbered Donations			750.00
Water Quality Monitoring Fund		\$200.00	600.00
Dividends		\$11.00	3.00
Fundraising Events		\$1,800.00	1800.00
Watershed Survey Grants			
Watershed Donations			
Raffle receipts		\$200.00	\$350
TOTAL INCOME	\$13,997.10	\$3,411.00	\$4703.00



	LAKE ANASAGUNTICOOK ASSOCIATION		
	Treasurer's Report Expenses 2021 through 2022		
EXPENSES	EXPENSES	BUDGET	BUDGET
	7/1/2021-6/30/22	7/1/2021-6/30/2022	7/1/2022-7/30/2023
Newsletters	Details being developed		
Membership Communications			
Insurance for Board		\$698.00	\$698.00
Annual Report- Secretary of State		\$35.00	\$60.00
LAA Membership Dues Maine Lakes		\$200.00	\$200.00
Lake Stewards of Maine		\$100.00	\$100.00
Prizes for events - raft race			\$100.00
Canton Recreation			
LAA Website		\$228.00	\$288.00
Web maintain			
Office /Misc Expenses/Gifts			\$300.00
Sales Taxes			\$60.00
Fundraising - Bucket Caps/Patch		\$50.00	\$100
Special Projects			
Watershed Survey		\$2,000.00	\$2000.00
Awards - plaques etc			
Logo Update - T shirts			
Water Quality Monitoring		\$100.00	\$200.00
Awards			\$200.00
TOTAL EXPENSES	\$7678.66	\$3,411.00	\$4306.00
BALANCE (Income-Expenses)	\$6318.44	\$0.00	\$397.00

Watershed Mitigation Work Plan

Task	Overall Timing
Project Administration	Jan 1, 202 – Dec 31, 2022
Steering Committee (OCSWCD, LAA, ARWC, DEP, Towns of Canton & Hartford, Lake Shore Drive, Canton Mountain Wind, Pine Shores Subdivision, other watershed residents)	Jan 1, 202 – Dec 31, 2022 Meet semi-annually
NPS Abatement Projects <ul style="list-style-type: none"> • At least 14 high and medium impact sites identified in the 2019 Watershed Survey) • Technical assistance and up to 50% cost sharing for construction costs • Cost sharing agreements that detail the costs, match and maintenance requirements in place prior to any work 	Mar 1, 2021 – Nov 15, 2022
Technical Assistance <ul style="list-style-type: none"> • Project partners provide for at least 22 sites • Reduce soil loading by at least 5 tons per year 	Apr 15, 2021 – Nov 30, 2022
Residential Matching Grants <ul style="list-style-type: none"> • Steering Committee will offer 50/50 cost share grants to at least 7 residential properties • Cost sharing agreements and permits must be in place prior to work 	April 15, 2021 – Nov 30, 2022
Education and Outreach	Jan 1, 2021 – Dec 31, 2022
Pollution Load Reduction Estimates	Apr 30, 2021 – Dec 31, 2022

Watershed Mitigation Deliverables

Deliverables (electronic copies)
1. Grant agreement between OCSWCD, DEP, sub-contract with ARWC, semi-annual progress reports, final project report, NPS site tracker
2. NPS site reports of NPS Abatement Projects, including pre-[post photos
3. Summary of technical assistance provided – description, recommendations, outcome
4. Summary of residential matching grants, pre/post construction photos
5. Copies of all newspaper articles, press releases, web and Facebook postings
6. Pollutants controlled report each year until project completion

Lake Anasagunticook Watershed Protection Project, Phase II - Quick Summary of Grant Progress

Task	Required in Grant	Done So Far	Notes
Steering Committee Meetings	2	2	2/4/21, 4/6/22
NPS Abatement Projects	14	8	DONE: 3-04, 6-03, 1-01, 1-04, 6-02, 2-02, Dearborn Road, Lower Bonney Road. Likely for the remainder of 2022: Pinewood Drive, 5-12, 6-04, 6-05 and 6-07 in Hartford.
Technical Assistance	15	15	Rothrock, Mike McCluskey (2 properties), Kirwan, Barron, Hartford town sites with ACE, Bryant Road (Noyes), Dearborn Road, D. Ray, Bill & Carolyn Gray, Bernard, Vincelette, Miller, Pete McCluskey, Pine Shores.
Residential Matching Grant Installation	5	4	Done: Rothrock, McCluskey (#35), Barron, Ray. In progress: another 1 for McCluskey (#31), 1 for Vincelette.
Education & Outreach	a) 2 annual mtgs of LAA..... ... b) 1 mtg with Hartford Select board..... c) 1 mtg with Canton Select board.....	2 (8/15/21, 8/14/22) 1 (3/17/22) 2 (5/12/22, 7/14/22)	<u>Outreach:</u> 1) 2 LAA web postings (their e-newsletter). 2) OCWSCD press release (Sun Journal). 3) OCSWCD web posting. 4) article in Canton Crier. 5) article in Hartford News.

Lake Anasagunticook Watershed Protection Project, Phase II - Quick Summary of Grant Progress

House meeting	1	0	
Matching contributions	\$34,444	\$50,216	This is 146% of the total required in the grant.
Buffer planting	50'	22' (Rothrock), 8' (Barron), 79' (Ray)	This is 218% of the total required in the grant.
Soil loss avoidance for <u>NPS</u> sites	45.00 tons/year	20.26 tons/year (includes Dearborn and Lower Bonney)	This is 45% of the total required in the grant.

Soil loss avoidance for completed NPS sites:

Site #3-04: 8.24 tons/year

Site #6-03: 2.98 tons/year

Site #1-01: 0.22 tons/year

Site #1-04: 0.23 tons/year

Site #6-02: 0.51 tons/year

Site #2-02: 1.28 tons/year

Dearborn Road in Canton: 3.58 tons/year (assumes 40% reduction for buffering since long way to lake)

Lower Bonney Road in Canton: 3.22 tons/year

Annual Report on Water Quality to the Lake
Anasagunticook Association
August, 2022



Sunrise on Anasagunticook July 16, 2022

[Photo: Cyndi Phillips](#)

2022 Report on Water Quality to the Lake Anasagunticook Association

Clarity

Gloeotrichia

Phosphorus

Dissolved Oxygen

Temperature Trends

Ice-out Date Trends

Invasive Plants and



fineartamerica.com

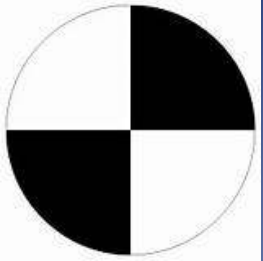




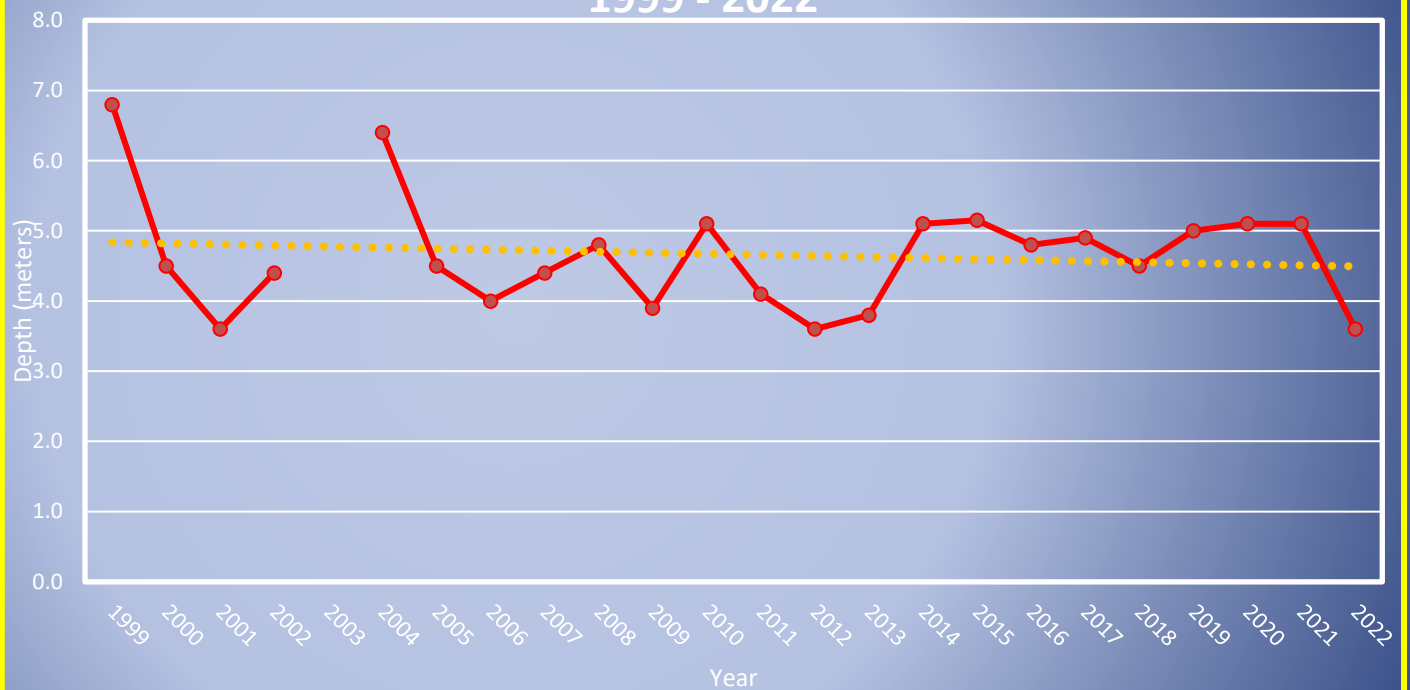
Secchi Disk for Measuring Water Clarity
 Estimates of Gloeotrichia Concentration
 Surface Grab for Phosphate Analysis
 Dissolved Oxygen
 Water temperature
 Air temperature
 Cloud cover, wind
 Thought for the day

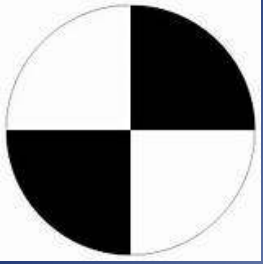


The lake is about 43 feet deep at sampling site¹⁷

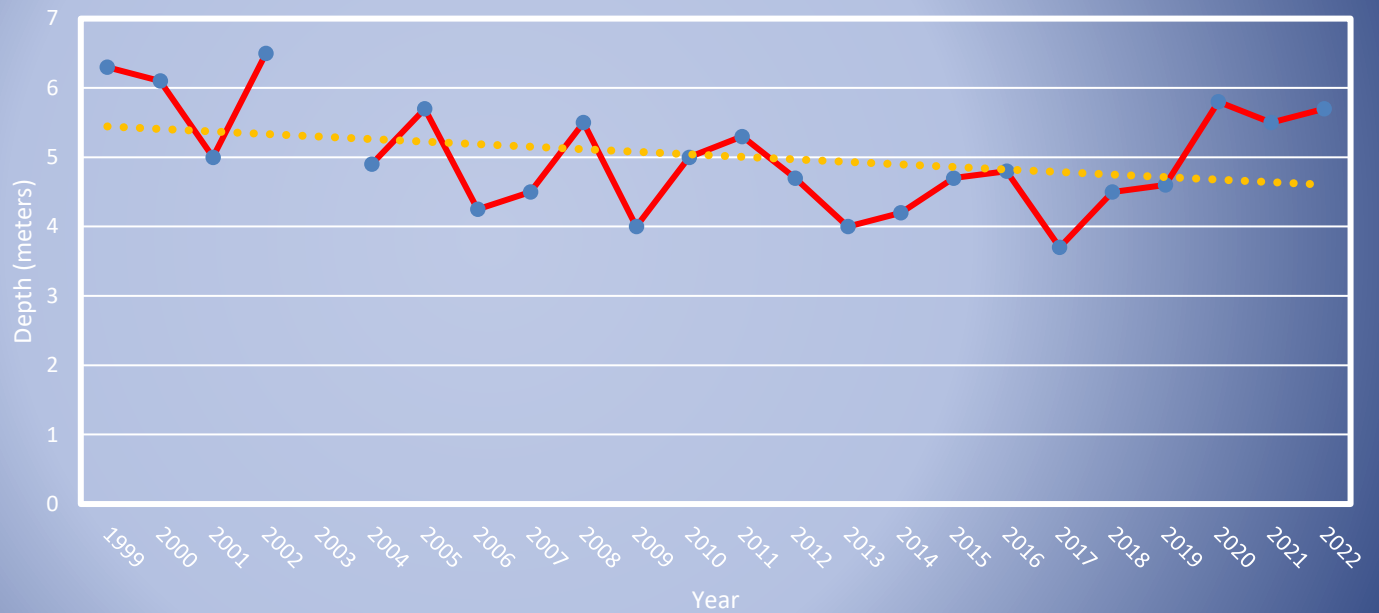


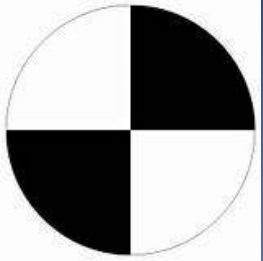
Lake Anasagunticook Mean Secchi Readings for June 1999 - 2022



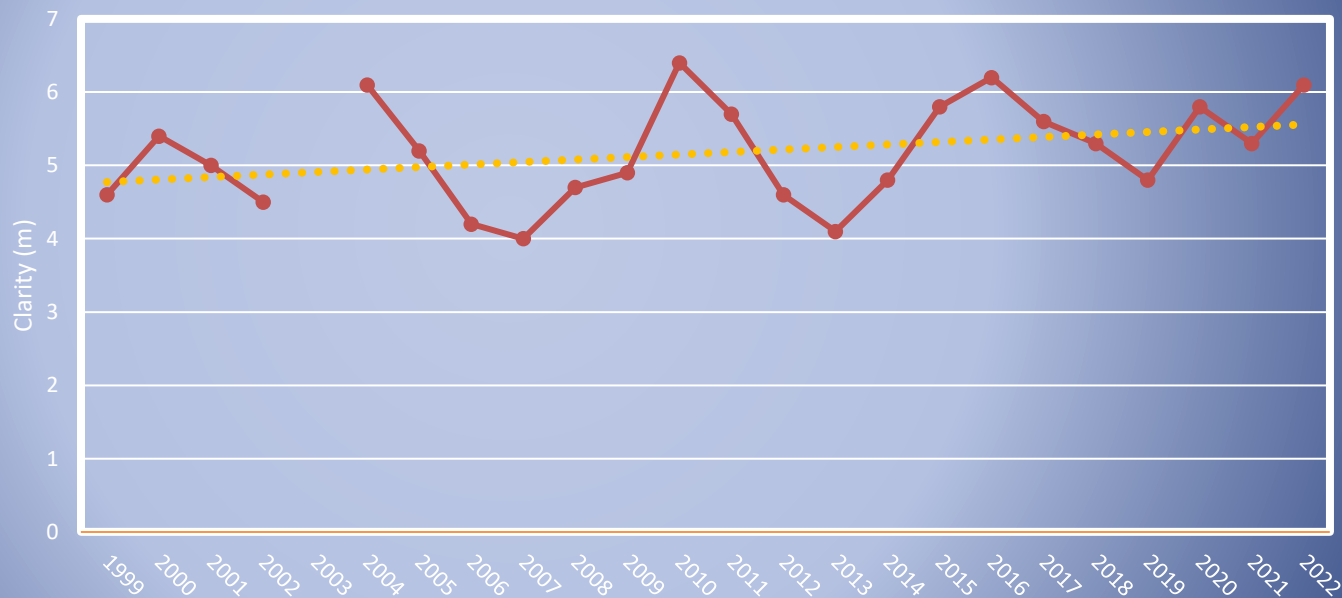


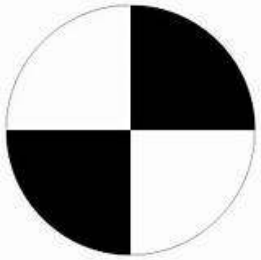
Lake Anasagunticook Mean Secchi Readings for July 1999 to 2022



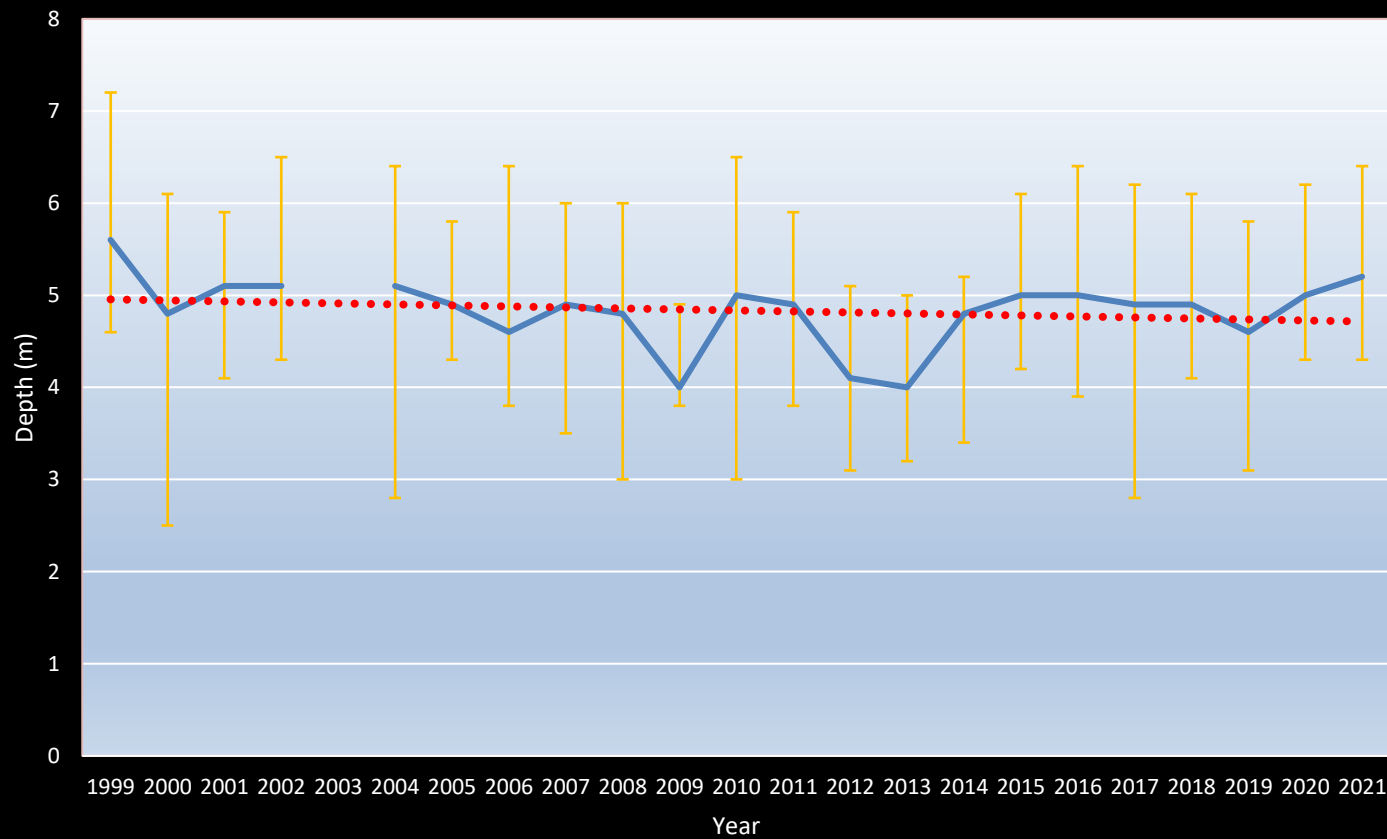


Lake Anasagunticook
Mean Secchi Readings for August *
1999 - 2022



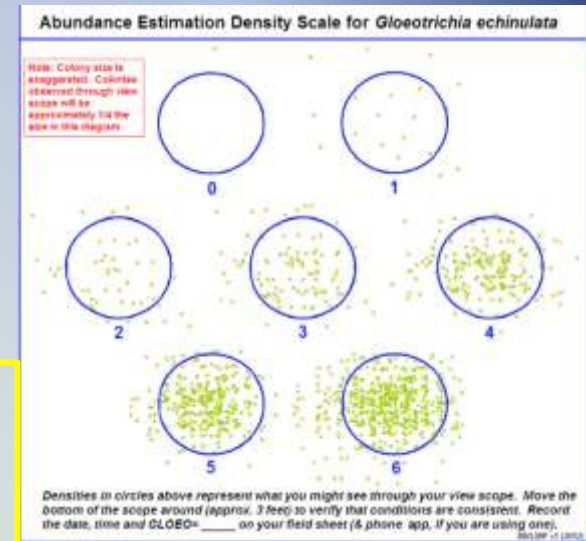


Anasagumtcook Average Secchi Readings
1999 to 2021

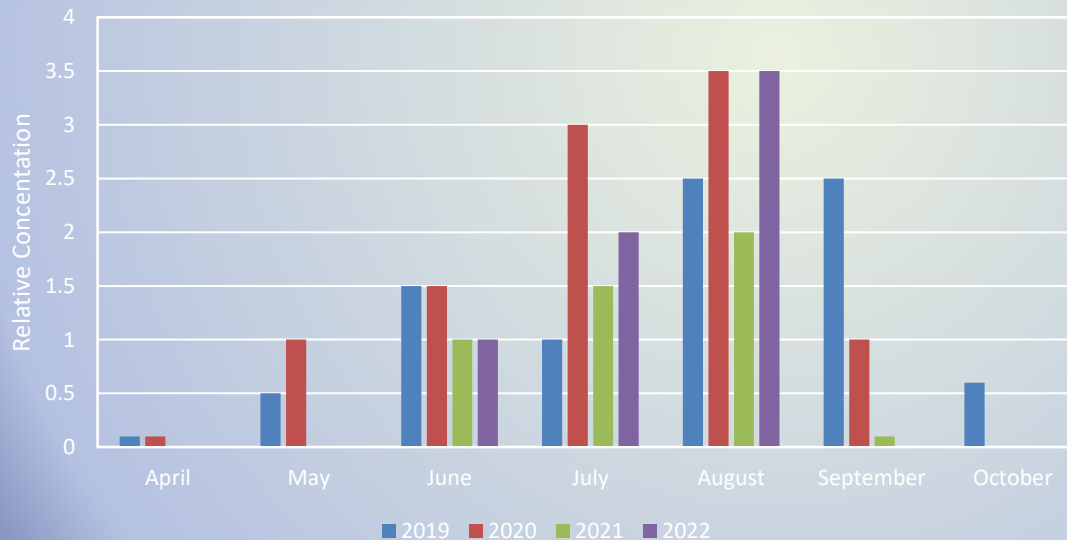




Gloeotrichia (pronounced “glee-oh-tricky-ah”) *echinulata*



Lake Anasagunticook
Relative Concentrations of *Gloeotrichia*
2019, 2020, 2021, 2022*



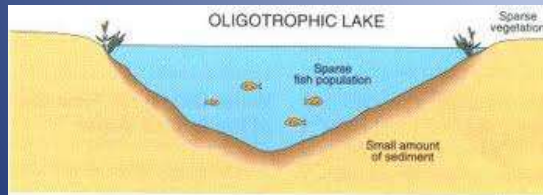
Data are averages of two readings
each month except August 2022 (one reading)

Lake Anasagunticook

Total Phosphate Surface Grab

2013-2022

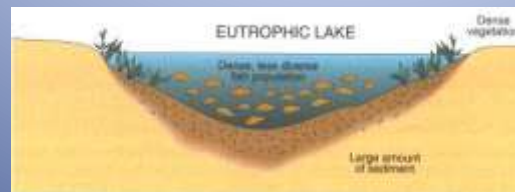
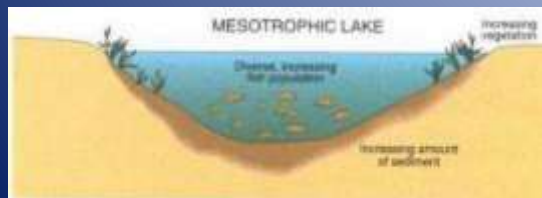
<u>Year</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October .</u>
2013			8 ppb	9 ppb	7 ppb
2015			4 ppb	5ppb	6 ppb
2017		7 ppb	6 ppb	5 ppb	6 ppb
2018			6 ppb	4 ppb	4 ppb
2019		6 ppb	5 ppb	6 ppb	
2020	5 ppb	6 ppb	5 ppb		
2021	9 ppb		5 ppb		5 ppb
2022		6 ppb			



T. Hamilton



www.restonnow.com



Oligotrophic 5-10 ppb
 Mesotrophic 10-30 ppb
 Eutrophic 30-100 ppb

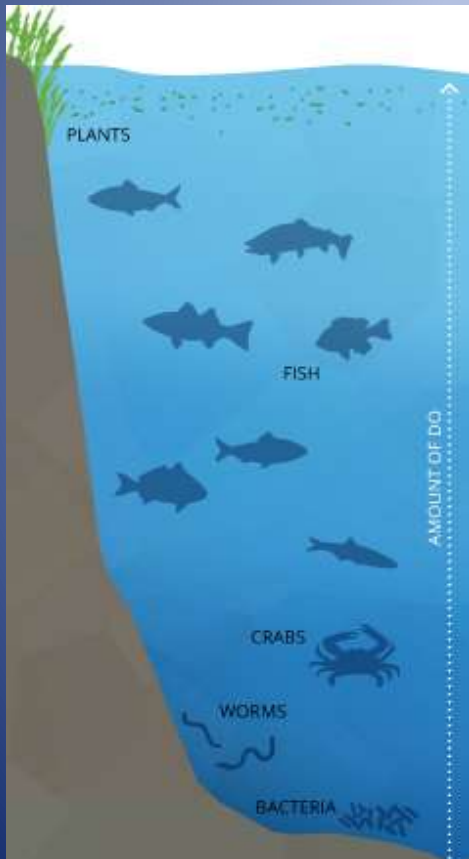
Dissolved Oxygen

Water is H_2O

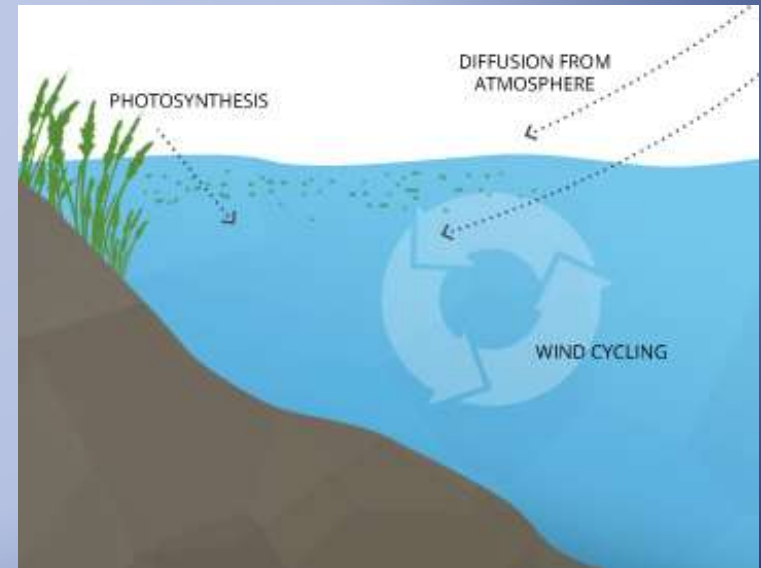
Dissolved oxygen is O_2



www.aquaread.com/



www.fondriest.com



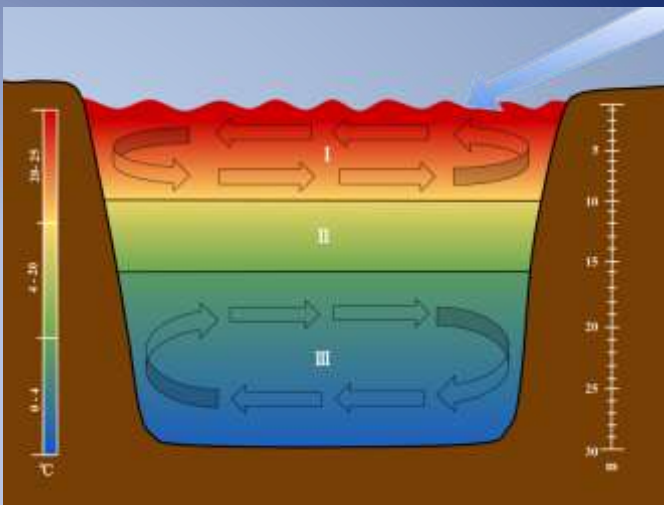
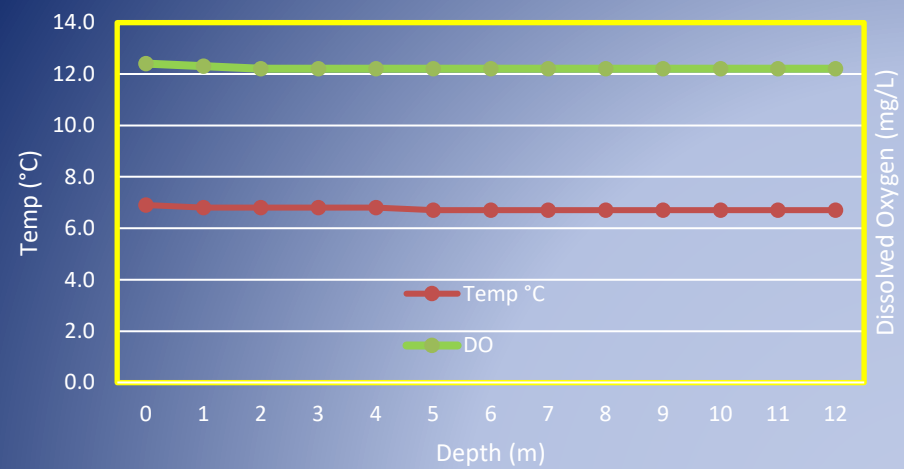
www.fondriest.com/

20°C = 68°F

Lake Dynamics

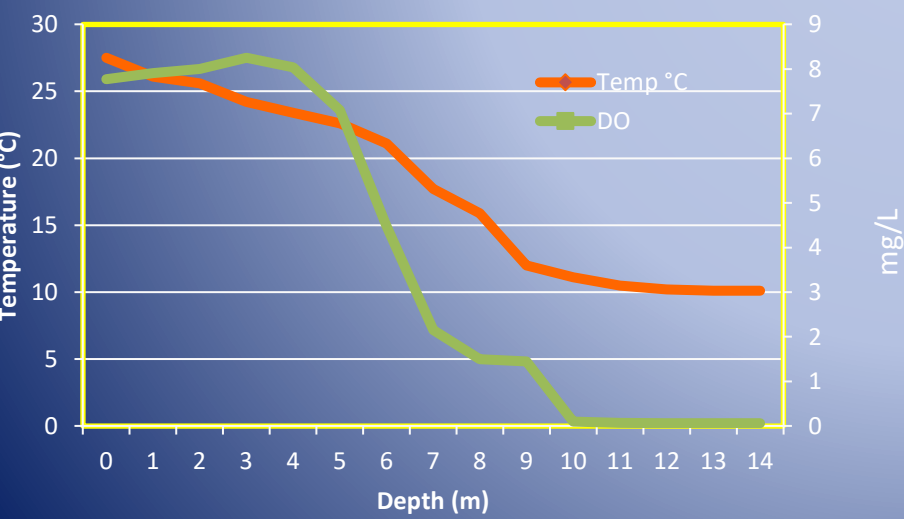
Summer

Lake Anasagunticook Profile
April 23, 2022

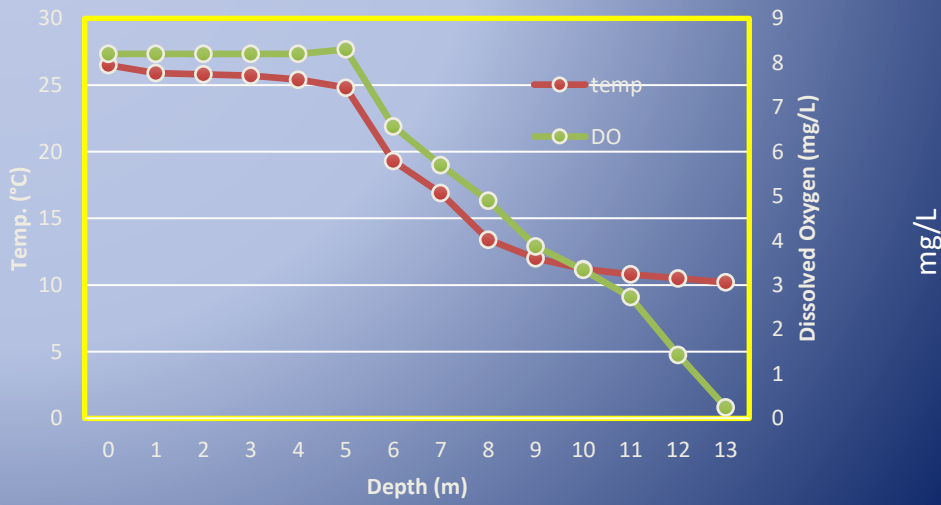


Mbrookings19 CC BY-SA4.0

Lake Anasagunticook Profile
August 18, 2015

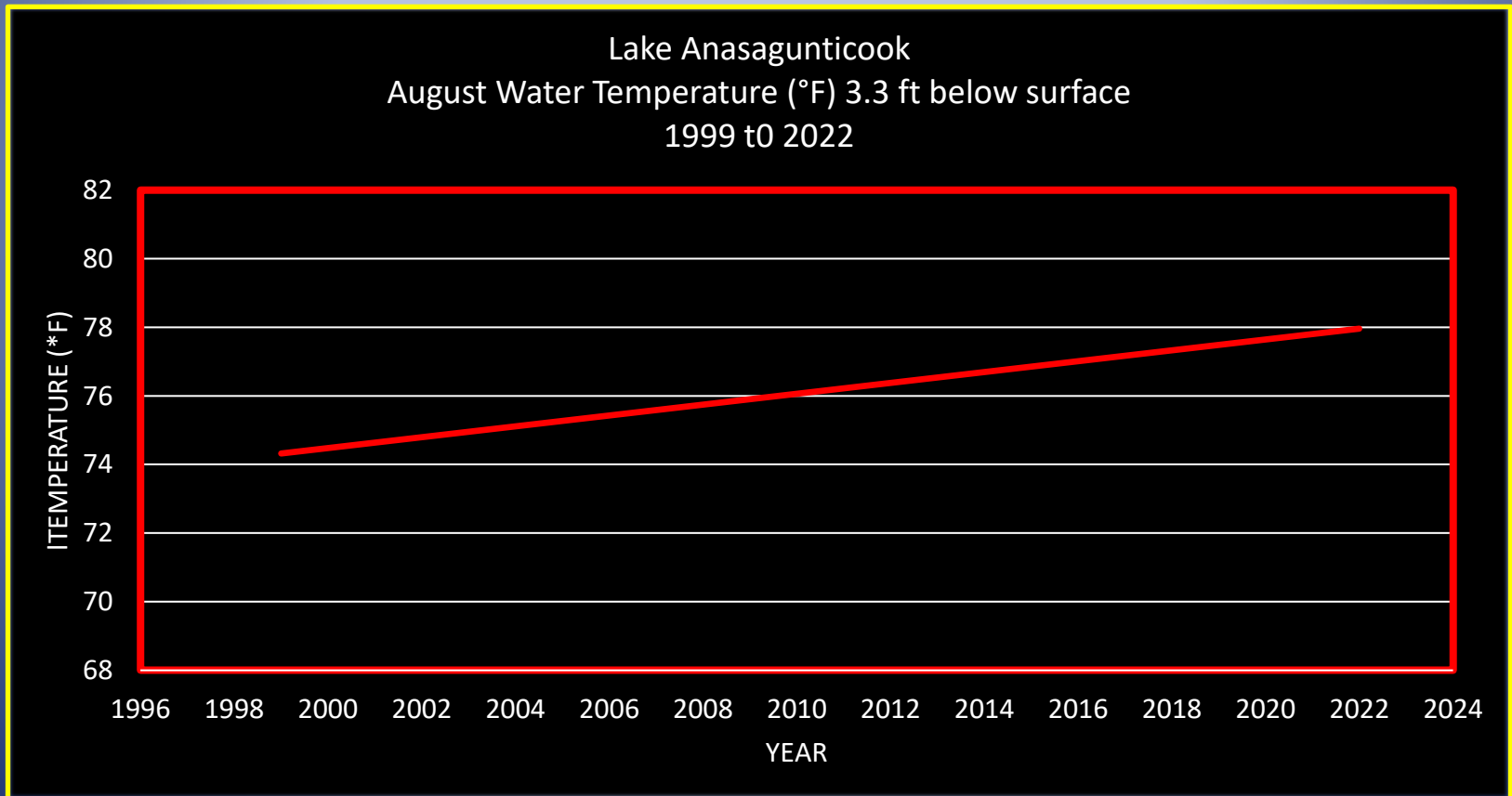


Lake Anasagunticook Profile
August 1, 2022

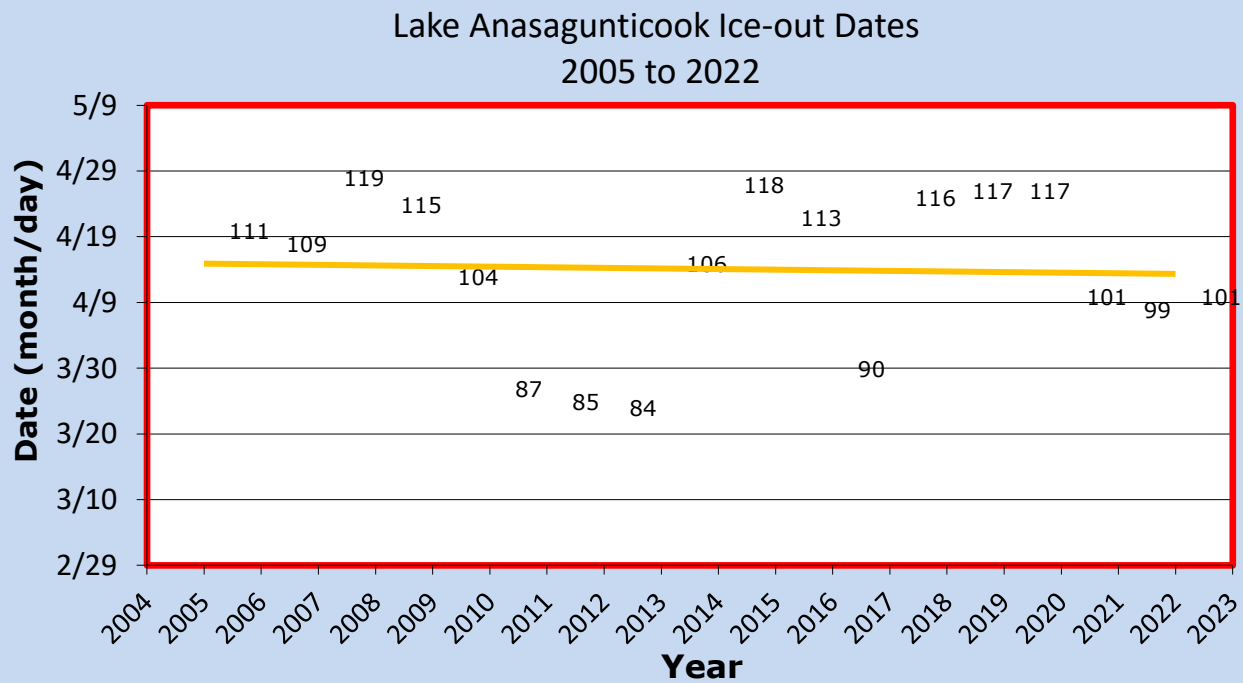




The Trend: the lake's water is warmer,
And continues this year.



Ice-out Trend



June 2020



The infested area reached
The head of Whitney
Brook
(aka Mill Stream) in May,
2022 however the
population seemed to be
Less dense than in other
years.



Google Map

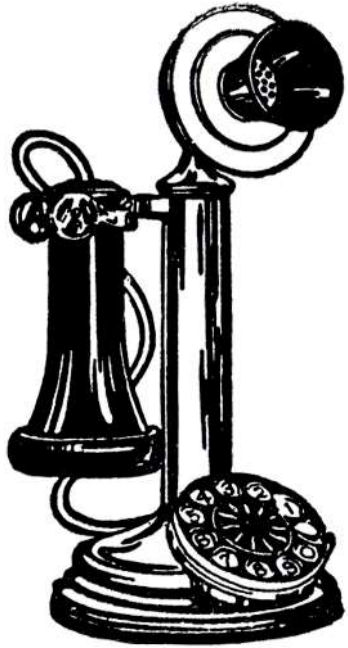
Stop the Invaders



Control Challenges *no silver bullets!*



Upcoming Meeting Dates



Proposed	Date
Fall Board Meeting	Sept. 27, 2022 4pm
Fall Newsletter	September
Winter Board Meeting	Dec 13 th , 2022 4pm
Early Spring Board Meeting	Feb 7 th , 2023, 4pm
Spring Newsletter	March/April
Early Summer Board Meeting	April 11 th , 2023 4 pm
Summer Board Meeting	June 13 th , 2023 4pm
Summer Newsletter	August
Dog Days of Summer Board Mtg.	Aug 1 nd , 2023 4pm
Lake Days	August 12, 2023
Annual Meeting	August 13, 2023