

Promoting the understanding and management  
of lakes, ponds, and watershed associates in the state

# CFL News

The CFL is the Voice for Connecticut Lakes.

*The mission of the CFL is to work with you and for you for healthier lakes and watersheds on local, state and even federal levels.*



## A message from the President

Dr. Rick Canavan, Tighe and Bond

Dear CFL members,

It has been a tough few months in the area of environmental news with impending changes at US EPA and budget woes in Connecticut. I am trying to stay positive nonetheless and hope that the sense of community that is built around lakes is something of which we can all be proud. With diminished support from state and federal sources, now is the time more than ever to support your local lake association and for you and your local association to work with the CFL. I'm looking forward to seeing everyone at our Annual Meeting April 29<sup>th</sup> in New Haven for more networking and discussions. As an environmental scientist I will also be attending the March for Science in Hartford on April 22nd (which is also Earth Day) as a way to show my enthusiasm and support for science and the study of our natural world.

## CFL's CONNECTICUT LAKES CONFERENCE 2017

**PRESENTED BY: Northeast Aquatic Research and SOLitude Lake Management**

The Connecticut Lakes Conference 2017 and CFL Annual Meeting presented by Northeast Aquatic Research and Solitude Lake Management will be held on Saturday, April 29, 2017 in the Jones Auditorium at the Connecticut Agricultural Experiment Station, 123 Huntington Street, New Haven, CT. Be sure to register early as the maximum attendance is 120. Walk-ins are unable to be accommodated.

Topics include invasive aquatic plants, cyanobacteria, stormwater control via home landscaping, developing lake friendly town zoning regs, managing roadway stormwater, association governance issues, volunteer water quality monitoring, and more!

This Conference will provide an opportunity for you to learn from a distinguished group of speakers, learn and share ideas with fellow participants, and network with other "lakers" from across the state. We hope to see you there!

## In case you missed it...

### Recap of the Southeast Connecticut Lakes Forum - September 17, 2016

Almost 50 lake enthusiasts attended the Saturday, September 17, 2016 Southeast Connecticut Lakes Forum at Buck Lodge in the beautiful Connecticut College Arboretum, New London. This morning program was designed to provide "lakers" with an opportunity to meet, learn and discuss lake topics with fellow CT lakers and lake experts in an informal setting.



#### Enraptured audience learning about invasive aquatic plants from Dr. George Knoecklein

Limnologist and Certified Lake Manager Dr. George Knoecklein of NorthEast Aquatic Research (NEAR) provided an informal presentation on invasive aquatic plants and fielded questions from the audience on a very wide range of lake topics during the course of the morning. There was active participation and discussion among attendees as they shared experiences encountered at their lakes.

Greg Bugbee, Associate Scientist, of the Connecticut Agricultural Experiment Station brought samples of many aquatic invasive plants to provide attendees with an up close look at the plants ... a great addition to the morning!



#### Forum goes checking out supplementary materials at the beautiful Connecticut College venue

While the Forum was open to all, the focus was on developing relationships among the lakes community in Southeast Connecticut, and based on comments received from attendees, the Forum was highly successful both in providing attendees with useful information and making and renewing acquaintances.

The CFL plans to hold more Forums across Connecticut in coming years as it works to develop and enhance relationships within the Connecticut lake community. CFL members will be kept informed of future Forums as well as other events presented by the CFL. We look forward to your participation.

The CFL has been a key player in the State's efforts to address invasive species in freshwater natural resources. Former CFL Board Member Tom McGowan sits on the Connecticut Invasive Plant Council. The Council has been active and successful on many levels, such as testifying at the State Legislature, helping pass legislation banning sale and transport of selected invasive plants, reaching out to other stakeholder organizations and legislators, helping to push for a State Invasive Plant Coordinator, and pushing for a State Aquatic Invasive Plant Coordinator.

## The Pros and Cons of Aquatic Pesticide Applications

By Luke J. Gervase The Pond and Lake Connection, [pondconnection8@gmail.com](mailto:pondconnection8@gmail.com) (203) 885-0184



THE POND AND LAKE  
— CONNECTION —

Lakes worldwide face issues with nuisance plant and excessive algae growth. Whether native or invasive, species of plants and algae at nuisance levels can impede forms of recreation, create an unsettling aesthetic appeal, cause severe ecological implications, and cause human health hazards. One of the oldest and most widely used techniques to control nuisance plant and algae growth are the use of aquatic pesticides. These techniques are often met with criticism as many view the use of pesticides with a negative connotation. Older formulations of pesticides have left long term environmental contamination or toxicity issues. However, these products are now meticulously studied to ensure the chemicals are used by state certified applicators according to federally labeled instructions.



Figure 1: An example of an aquatic herbicide application being applied from an airboat.

On the table- the pros and cons of using herbicides and algaecides. Both pesticide forms are widely used to control nuisance growth by certified applicators whom take into account all of the cons when making an application.

(continued)

Pros	Cons
Herbicides have the possibility of controlling a wide range of species	May be toxic to non-target species of plants or animals
Herbicides can selectively target plant species	May require federal, state, and local wetlands permitting
Aquatic pesticides are incredibly cost effective compared to other management techniques	Can restrict certain water uses depending on the chemical formulation and application rate
Algaecides rapidly remove algae from the water column and can increase water clarity	May cause recycling of nutrients to allow other forms of plant or algae growth
Algaecides can result in movement of nutrients to the bottom of a lake	As treated plants and algae decay, there can be an increased oxygen demand within the waterbody
Both herbicides and algaecides are formulated to quickly break down in the water column	If used for long periods of time, copper based products can leave a precipitate in the sediment

Aquatic pesticides are formulated to specifically target plant cells and therefore have minimal impact on animal species. However, there are exceptions with certain chemicals in regards to specific organisms. Pesticides now contain less active ingredient than the pesticide formulations used in the past. It is the responsibility of the certified applicator to choose the appropriate pesticide to manage the nuisance pest. To preserve the environment and limit harm to any non-target species, applicators must follow all federal and state regulations. Like all lake management techniques, aquatic pesticides are only one tool available and should be used in conjunction with other management methods. If you have any more questions about aquatic pesticide applications, please feel free to contact: **Luke J. Gervase** [pondconnection8@gmail.com](mailto:pondconnection8@gmail.com) | (203) 885-0184.

## Why Lake Remediation is worth the money

Rachel Perry, Environmental Scientist, Anchor Engineering Services, LLC

Anyone who lives in proximity to a recreational lake knows the feeling of anticipation to get out there when the weather warms up. From fishing to boating to swimming, lakes offer a wide range of activities uniting many people in one common love for the water. And, while lakes and the recreational activities they offer may be priceless to us, lakes can be worth upwards of \$30,000 per acre annually with just the ecosystem services they provide, in addition to recreational worth. But what exactly are ecosystem services? Most people can already list a few of the basics: water regulation, filtering and supply, and food supply. The things humans need to stay hydrated, fed, and happy. But what about the rest?

### Water Retention

Though many homeowners with lakefront properties may worry about the risk of their homes flooding during storms, lakes often provide important water retention during storms. Lakes and watersheds are capable of holding a tremendous volume of water, and this service is just one of many that is important to surrounding towns and cities.

### Carbon Burial

With global climate change on our minds, carbon and “greenhouse gas” are words thrown around in the news daily. Carbon is an abundant element on Earth- in fact essential to the life of all organisms- plant, animal, or otherwise. But since the industrialization of humans beginning in the mid 1800’s, carbon has been released into the atmosphere at an astoundingly fast rate. Lakes help to prevent greenhouse gasses such as carbon dioxide (a product of our breath) from heating up the Earth by “burying” it, typically by growing algae.

(continued)

### Waste Processing

In Connecticut, the majority of homes on lakefront properties use septic tanks as waste management systems. In a few words, septic tanks hold wastewater in a large tank to allow solids and sludge to settle to the bottom, before allowing liquids to leach out into the ground to be filtered. Eventually, this liquid will reach the lake. In areas with improperly managed septic systems or an overabundance of homes, this is where we see algal growth and a decline in water clarity and safety. But, in properly managed areas, waste management is just another ecosystem services lakes provide.

With a stronger understanding of some of the more important ecosystem services lakes can provide, it becomes a bit easier to begin to place a dollar value on our resources. Maine residents place substantial value on their lakes- between \$7.6 and \$17.8 million dollars above the recreational cost to them. And in fact, Mainers spend as much as \$153 million annually on that recreation, of which more than 50% is spent within lakefront communities. This means that Mainers on average place a value of approximately \$400,000 per acre annually on their lakes- nearly \$370,000 more than the estimated value of ecosystem services.

Connecticut is home to over 3,000 lakes of all different sizes, from Candlewood Lake’s 5,420 acre spread, to Colebrook River Lake boasting a depth of 136 feet. Connecticut residents should begin to consider the importance of lake maintenance and pollution prevention now. Lake maintenance may never cost as much as our lakes are worth annually; but, if it does, preserving recreational use and ecosystem services seems worth the cost.

## Calling Prospective CFL Board Members!

At the CFL Annual Meeting coming up on April 29, as part of CT Lakes Conference 2017, the CFL will hold its election of Board members. The Board has a maximum of 15 members and is composed of lake residents, limnologists, lake managers and others with an interest in Connecticut lakes. Board terms are two years with approximately half the Board standing for election each year.

Board members have specific responsibilities based on the background and talents they bring to the Board. They are expected to attend Board meetings (7 per year), contribute to Board discussions and work on tasks and committee initiatives between Board meetings.

If you would like to discuss the possibility of becoming a Board member, please reach out to Nominating Committee members Mary-Ellen Dilluzio (mesineh@cs.com) or Bruce Fletcher via e-mail (bfletchermd@gmail.com) and they will then get in touch with you. Please contact Mary-Ellen and/or Bruce no later than March 19 so there is adequate time for discussion and consideration of your interest in advance of the Annual Meeting. We look forward to hearing from you.

## The 2017 NECNALMS Conference will be held in Rhode Island.

The CFL will be representing at the 2017 New England Chapter of the North American Lake Management Society conference. More details will follow.

*"Dedicated to enhancing the protection and management of lakes, reservoirs and watersheds by forging partnerships between citizens, scientists, and professionals."*

## Stay Updated on Tech Tools!



<http://cyanos.org/bloomwatch/>

The EPA-sponsored Bloomwatch phone app is among several citizen science projects aimed at informing and protecting lake users. The CFL Connecticut Lakes Conference will have an EPA representative to explain more about this program.

## Tool Kit for Volunteer Water Monitoring

One of our local lakes organizations, Lake Lillinonah's Friends of the Lake partnered with Fair- field University's Dr. Jennifer Klug and began a volunteer water quality monitoring program nine years ago. Today they are proud to share with other lake organizations their Citizen-Led Environmental Observatory, CLEO tool kit. The kit includes a power point presentation to guide yearly volunteer training and details methods for measuring the presence of algal blooms as well as variables that contribute to algal growth. The free product can be downloaded from:

<http://ces4health.info/find-products/view-product.aspx?code=6TPFD4D2>



# CONNECTICUT FEDERATION OF LAKES, INC. CHARITY LICENSE PLATE APPLICATION



Help support the CFL's public education efforts in Connecticut by ordering your Lakes Special Interest License Plate for each vehicle, trailer, and camper. Show you care about our precious and fragile lakes and ponds. Each CFL Lakes Plate is free; the only cost is the DMV fee of either \$65 or \$134 (vanity). If people wish to make optional, tax deductible donations to the CFL, a no membership dues 501 (c)(3) volunteer organization (The Voice for Connecticut Lakes), that would be terrific, but donations are NOT required.

**For any currently Connecticut registered car, truck, trailer, and camper there are 3 choices:**

- A. Maintain current plate numbers and letters with the Lakes logo
- B. Replace current plate and change to the next available Lakes plate
- C. Obtain a "Vanity" plate with the Lakes logo

To order your Connecticut Lakes license plates, please complete one application for each plate desired and mail it to the liaison organization, the CFL, for processing and signing by the CFL liaison. Since the DMV now requires 400 paid applications before they will manufacture any of these special interest plates, the CFL will initially collect only the applications now. DON'T send any money now. The CFL will periodically email the applicants with updates about the progress towards that challenging 400 minimum. When the 400 minimum is reached, the applicants will be contacted to please send to the CFL their checks payable to the DMV. After the DMV receives the applications and your checks, the plates will be made and mailed out.

For any questions or further information, please email: [cflakesmart@gmail.com](mailto:cflakesmart@gmail.com) or visit [www.ctlakes.org](http://www.ctlakes.org) Thank you.

NAME: \_\_\_\_\_ EMAIL: \_\_\_\_\_

- ☐ Yes, I want to maintain my current plate at a cost of \$65.
- ☐ Yes, I want to replace my current plate and change to the next available Lakes plate at a cost of \$65.
- ☐ Yes, I want a "vanity" Lakes plate (see below) at a cost of \$134.

Please send your multiple applications and eventually your checks when prompted, to:

**Connecticut Federation of Lakes, Inc. C/O Connecticut College PO Box 5604 270 Mohegan Ave. New London, CT 06320**

SPECIAL INTEREST PLATE APPLICATION M-37 REV. 9-2013	DMV USE ONLY	CLASS CODE					SPECIAL PLATE COMBINATION	ORGANIZATION I.D. NO.	DATE ISSUED
		<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03	<input type="checkbox"/> 11	<input type="checkbox"/> 31			

1. Complete this application and return it to your organization liaison, with no checks at this time.
2. Organization liaison submit the approved application along with applicant check or money order to:  
**Department of Motor Vehicles, Special Interest Plate Unit, 60 State Street, Wethersfield, CT 06161-0507**
3. **LEASED VEHICLES** - Submit with the application the lessee's name and address.

- ☐ \* Transfer my vanity, low number, or current marker plate to the Special Interest background - \$65.00 FEE.  
PASSENGER, COMMERCIAL, COMBINATION, CAMP TRAILER, CAMPER)
- ☐ \* Replace my current marker plate with an "off-the-shelf" plate from the Special Interest Series - \$65.00 FEE.  
PASSENGER, COMMERCIAL, COMBINATION, CAMP TRAILER, CAMPER)
- ☐ \* I do not have a vanity plate but wish to obtain one on the Special Interest background - \$134.00 FEE.  
PASSENGER, COMMERCIAL, COMBINATION, CAMP TRAILER, CAMPER)

CURRENT PLATE NO.	PRESENT REGISTRATION TYPE (Pass. etc.)	DATE REGISTRATION EXPIRES	MAKE	MODEL	YEAR	IS VEHICLE LEASED? <input type="checkbox"/> YES <input type="checkbox"/> NO
NAME(S) AS APPEARS ON REGISTRATION (Last, First, Middle Initial)			VEHICLE IDENTIFICATION NUMBER		DAYTIME PHONE NUMBER	
ADDRESS AS APPEARS ON REGISTRATION (Number and Street)			(City or Town)	(State)	(Zip Code)	

NAME OF SPECIAL INTEREST ORGANIZATION <b>Connecticut Federation of Lakes, Inc.</b>	ORG. I.D. NUMBER <b>0518624</b>	NAME OF ORGANIZATIONAL LIAISON (Please print) <b>Bruce T. Fletcher</b>	SIGNATURE OF ORGANIZATIONAL LIAISON <b>X</b>
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**CANCELLATION OF THIS ORDER WILL NOT ENTITLE YOU TO A REFUND**

SIGNATURE OF REGISTRANT <b>X</b>	* If your current registration is due to expire within the next 45 days, hold your application until you have renewed your registration.	DATE SIGNED
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## VANITY PLATE REQUEST(S)

All letters are equally spaced. No dashes or extra spaces between letters are allowed. Only one dot is allowed. The dot cannot be placed at the beginning or end of a plate number.

List plate request in order of preference. First available preference will be ordered. **THE ORDER CANNOT BE CHANGED.**

1. _____	4. _____
2. _____	5. _____
3. _____	6. _____

Every attempt will be made to accommodate your request, however, the Department of Motor Vehicles reserves the right to deny issuance of certain requests.

## VANITY PLATE OPTIONS

Any combination of letters and numbers - seven characters or less.

# Help Raise Awareness of Connecticut's Lakes!



**Providing Public Education is a large part of CFL's operation. Help us continue to equip people with knowledge by ordering a Special Interest License Plate today for your vehicle, trailer, and camper.**

Join us and pledge to purchase one (or more) Lakes plates by filling out the attached License Plate application.

A minimum of 400 pledges must be made before payment will be requested and production can begin.

Contact [cflakesmart@gmail.com](mailto:cflakesmart@gmail.com) with any questions or visit our website, [www.ctlakes.org](http://www.ctlakes.org).

## Contact the CFL

For more information regarding the Connecticut Federation of Lakes, visit our website at [www.ctlakes.org](http://www.ctlakes.org), contact [Aliz@conncoll.edu](mailto:Aliz@conncoll.edu), or write to: P.O. Box 5604,  
270 Mohegan Avenue,  
New London, CT 06320

## Newsletter Committee

Do you have an idea for a story that you think lake community members should hear? The Newsletter Committee welcomes your input and your articles. Please send suggestions or articles via e-mail to [sabinaperkins@gmail.com](mailto:sabinaperkins@gmail.com) or [hillarykenyon@gmail.com](mailto:hillarykenyon@gmail.com)

## Join the CFL

Simply fill out and mail the form below or go to our website and fill out a brief form there. The lakes in Connecticut need to receive more preventive medicine. In other New England states, the citizenry and legislators have pushed through bigger and better programs for lakes. If you treasure your lake, please join the CFL. With your help, the CFL will continue to make a difference locally and statewide.

## Calendar

**Board Meetings:** 3<sup>rd</sup> Wednesday of January, March, April, May, June, September, and October at 7PM.

**Location:** Northeast Utilities, Newington, CT

[Check CTLakes.org](http://www.ctlakes.org) for meeting updates

## CFL Board Members

Richard Canavan (President)  
Randy Miller (Vice-President)  
Anne Lizarralde (Secretary)  
Rebekah White (Treasurer)  
John Burrell  
Joe Carbonell  
Mary Ellen Diluzio  
Mark June-Wells  
Hillary Kenyon  
Jeffrey King  
George Knoecklein  
Larry Marsicano  
Chris Mayne  
Chris Sanders  
Connie Trolle



## Support the Connecticut Federation of Lakes!

YES! I want to help the CFL  
continue to advocate for CT Lakes!

- Please accept my donation to:
- ☒ Help protect Connecticut Lakes!
  - ☒ Promote awareness about stewardship and the vulnerability of lake environments through education!
  - ☒ Assist in the fight against invasive species and pollution!

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Address: \_\_\_\_\_ Apt: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Lake Affiliation: \_\_\_\_\_

Email Address: \_\_\_\_\_

We will not share your email address. It will be used to send newsletters and important bulletins.

- |   |  |
|---|--|
| <input type="checkbox"/> Lakes Friend (\$40+)       | <input type="checkbox"/> Lakes Patron (\$1,000+)   |
| <input type="checkbox"/> Lakes Sponsor (\$75+)      | <input type="checkbox"/> Lakes Guardian (\$2,500+) |
| <input type="checkbox"/> Lakes Advocate (\$100+)    | <input type="checkbox"/> Lakes Leader (\$5,000+)   |
| <input type="checkbox"/> Lakes Conservator (\$250+) | <input type="checkbox"/> Other \$ _____            |
| <input type="checkbox"/> Lakes Steward (\$500+)     |  |

Please make checks payable to CFL. We may periodically list our supporters, check here if you wish to remain anonymous \_\_\_\_\_.

Please mail to: Connecticut Federation of Lakes  
P.O. Box 5604  
270 Mohegan Avenue  
New London, CT 06320

We're thankful for your support and would greatly appreciate you passing this newsletter on to a friend.

*Thank You!*