



CANDLEWOOD LAKE AUTHORITY

P.O. BOX 37 • SHERMAN, CONNECTICUT 06784-0037 • (860) 354-6928 • FAX (860) 350-5611

Minutes of Regular Meeting September 14, 2016

Attending:

P. Schaer	Sherman
G. Linkletter	Sherman
B. Brown	Brookfield
J. Murphy	Brookfield
W. Lohan	Brookfield
J. Wodarski	New Milford
M. Toussaint	New Milford
D. Rosemark	Danbury (electronic)
C. Robinson	Danbury
J. Keating	New Fairfield
J. Hodge	New Fairfield

Absent:

P. Eng	New Milford
B. Kemble	New Fairfield
E. Siergiej	Danbury
H. Berger	Sherman

F. Frattini, CLA Administrative Coordinator
M. Howarth, CLA Public Education Director
L. Marsicano, CLA Executive Director
R. Barnard, CLAMP Captain

Recorder: F. Frattini

Guests: Sue Slater, Selectman, Brookfield
Sui Wodarski, New Milford
David Gronbach, Mayor New Milford
Scott Randall, Sherman
Katrina Koerting, *News Times* reporter

Chairman, Phyllis Schaer, called the regular meeting of the Candlewood Lake Authority to order at 7:30 P.M. at Brookfield Town Hall, Brookfield, CT. She welcomed the guests.

Secretary's Report: Mrs. Frattini noted that a correction to the July 13th minutes. It was a **Regular Meeting** not a Special Meeting as it was headed – with that correction, Secretary George Linkletter asked for a motion to approve the minutes of the July 13, 2016 meeting as corrected, Mark *Toussaint made a motion to accept the minutes of the*

July 13, 2016 regular meeting as corrected, seconded by Jerry Murphy and voted with all in favor. Minutes have been accepted as written.

Chairman's Report: Phyllis Schaer, Chairman reported that the Audit has been completed and the negative unassigned has been eliminated, all reserve accounts are fully funded and reports will be streamlined as per auditor recommendations. The New Patrol Boat is at the dealer and awaiting a trailer so that it can be transported to Communications Services to install the radio. The Annual NALMS conference will be held in Banff, Canada from November 1 to 4 and hope to have Mr. Marsicano and Mr. Howarth attend.

There was panel meeting held yesterday (September 13, 2016) hosted by New Fairfield but held in Danbury - Mr. Marsicano will cover in his report. Mrs. Schaer reported that Mayor David Gronbach of New Milford has offered to host an expanded Lake Task Force to focus on other issues concerning the lake not just Zebra mussels. New Fairfield has paid only a portion of its funding and now that the Negative Unassigned is no longer in question as it is now a positive in the Audit for year ended 6/30/2016 that they will restore the full proportion. Mr. Hodge noted that the BOS need to act on that.

Vice Chairman's Report: Vice Chairman Mark Toussaint noted that former long serving Brookfield delegate, Frank Cioffi, had passed away, calling hours are Friday night and Funeral will be Saturday, September 17, 2016. Mr. Cioffi was the Commander of the Clean-Up fleet as he coordinated the boats and crew for a number of years and left his outline for all to follow. We mourn his passing and his family is in our thoughts.

Treasurer's Report: Bill Lohan, Treasurer, reported the audit for year ended June 30, 2016 has been completed and reviewed the highlights – there is no negative unassigned in this audit, the unassigned is now a positive balance.

- Page 3 – The Authority's net position has increased to \$103,538.00 over last year.
- Page 4 – The net position on the governmental activities increased by \$33,000 in 2016.
- Page 9 – The Fund Balance total is \$78,326. Unassigned last year was negative and now it is positive \$18,145.00 Note 7 on Page 16 explains the fund balance
- Page 10 shows the fund balance and how it is arrived
- Page 17 – Shows the net change in the Fund Balance from the beginning to the end of the fiscal year.

Mr. Lohan noted that per recommendation of the auditor QuickBooks will be streamlined so that reports can be revised and simplify the reporting of the data and future audits. George Linkletter asked if the Unassigned would be in a capital non recurring fund or just a rainy day fund – Mr. Lohan noted that the fund needs to be set up and will be done with the guidance of the auditor and that a portion of the unassigned will be moved to that fund at the approval of the delegates. Mrs. Schaer advised that the Auditor has advised that the Authority should have a contingency fund.

Mr. Keating asked why there was a difference from the income on the unaudited June 30 Report of \$521,000 and the Audit of \$590,000 the difference was from the \$53,000 restricted and \$19,000 other income (on Page 10). With no further questions, *Bill Lohan*

made a motion to accept the audit for fiscal year ended June 30, 2016 as presented, seconded by Jerry Murphy. Discussion – Mr. Hodge asked that the Auditor be asked to attend in the future when the audit is discussed – note she had been asked but could not be here this evening or at the October meeting. Mr. Hodge asked if similar expectations for revenues for the current fiscal year – Mr. Lohan noted no Dragon Boat race so down by that but the expenses will also be reduced. With no further questions, the motion was voted with all in favor and the audit has been accepted as presented and will be forwarded to the Towns as required.

Thank you to everyone for all that has been done to get the fund balance in order. Mr. Lohan reported that per the July/August report that 66% of funding from the Towns has been received (Brookfield, New Milford and Sherman have paid in full \$76,800 each, Danbury has paid one quarter \$19,800 and New Fairfield has paid \$5,294. Bill Brown asked that now that the Negative Unassigned is gone the New Fairfield delegates need to go back and ask their BOS to restore full funding. Other funding of 5% has been received making the total year to date 48% of total. Expenses should be 18% year to date and he advised that Administration is at 22%, Equipment/Facilities 14%, Public Safety 17%, Public Awareness 17% and Watershed Management 12% making the total year to date expenditures 18% of the total.

Bill Lohan moved that the Treasurer's Report of Income and Expenses for the months ended July 31 and August 31, 2016 be approved as presented, seconded by Bill Brown and voted with all in favor. Motion passed and the Treasurer's Report of Income and Expenses for the months ended July 31 and August 31, 2016 has been approved and filed for audit.

George Linkletter recommended that the Treasurer work on the capital nonrecurring and rainy day fund for the \$18,000+ unassigned balance and Mr. Hodge asked that the Auditor be invited to the November CLA meeting. Dan Rosemark noted that maybe a special meeting just for the Auditor to attend could work.

Candlewood Lake Authority Marine Patrol: Captain Ron Barnard reported activity of the Lake Patrol noting 1109 hours on the water, 221 verbal warnings, 7 written warnings, 26 Infractions, 132 other and 360 contacts with the public. The Top five violations were 1) Bow Riding, 2) less than 200 feet from shore for PWC's, 3) less than 100 feet of shore for Boats, 4) insufficient PFD's, and 4) lighting. The new officers are doing well, they may lose 4 officers next season, the present supervising Sergeant has been promoted to Captain and a new Sgt will need to be assigned next year. Joe Wodarski advised Mayor Gronbach that the Patrol could use more Post Certified Officers and that it would be helpful if the NMPD would allow their officers to join the Lake Patrol - Mayor Gronbach noted that he will look into this. Bill Brown noted that the Lake Club would again like to host the annual Lake Patrol dinner and Mr. Schaer noted that it should be an appreciation dinner for not only the Lake Patrol but for all the delegates who give of their time for the CLA.

Executive Director: Larry Marsicano, Executive Director, advised his reports for August and September are attached to these minutes and then noted the highlights. He noted that the Annual Boat Count had been completed in August and that boats are

around 6000 but there was increase in paddle craft and motorboats has remained steady. The CO2 study was not done as it was held up because the Federal Bureau of Reclamation and the State of CT could not agree on indemnification – the State, as a sovereign entity, would not indemnify the Federal agency – there is another type of agreement that can be used by the State and the Federal Government and it should be in place for next year. The cyanotoxin (blue-green algae toxin) testing program with WCSU has gone very well and has been very helpful to the local Health Departments - the readings were never above 1 PPB and the State cut off is 15 PPB, so all samples were well below the limit. The Carp Tracking program has been informative in helping understand how the fish are moving around the lake. Most stay local but one traveled from Sherman to Danbury and another from Brookfield to the dam in New Milford. Mr. Marsicano noted that CLUB-A has offered to help buy more Carp for the lake. He started his discussion of the Panel discussion by correcting his September written report noting that the meeting with New Fairfield First Selectman Chapman, John Hodge, and panelist Dr. Knoecklein was scheduled for July 26, not August 1 as stated in his report. He reported that he was disappointed with the September 13 panel discussion hosted by New Fairfield held in Danbury because it was more of a presentation and not a discussion. He noted that he had spent considerable time reviewing Dr. Knoecklein's report and that he and other experts had many questions that did not get asked since the panel discussion Q&A never occurred.

Mrs. Schaer noted that yesterday's panel looks to go in a direction without the Lake Authority. The Lake Authority was formed by Ordinance of the Five Towns as the advisory authority of the 5 towns regarding Lake Candlewood. Mr. Marsicano noted that the timing of increasing numbers of events where Secchi transparency was less than 2 meters corresponds with when the parameters of the drawdowns changed (1999 – 2000) and that there is scientific literature supporting a hypothesis that may have increased blue-green algae. Mr. Marsicano read from an abstract of paper he is working on with Dr. Pete Siver. *"We found no evidence that the trophic condition declined over the last three decades, or that the winter drawdowns have resulted in deterioration of the water quality. Instead, there has been a modest improvement in the trophic condition over time, likely attributed to a combination of the winter drawdown program and other long-term management efforts."* He spoke about correlations in Dr. Knoecklein's report regarding nitrogen. The Action Plan for Candlewood was noted, a copy was provided to Brookfield Selectman Slater, and will be sending copies to the current CEO's. Mr. Marsicano noted that speakers will be invited to discuss Blue Green Algae control – Dr. Kortman, Dr. June-Wells, Dr. Siver and Dr. Knoecklein will be among those invited.

Public Education Director/Public Awareness Committee:

Mark Howarth, Public Education Director, noted his reports for August and September are attached to these minutes and reviewed the highlights. To date 23 carp have been adopted, the summer intern did a great job of creating the maps and he is keeping them up for the adopted fish. Next Thursday September 22, 2016 at 7 PM at WCSU Science Building Room 125 there will be an open presentation on Blue Green Algae for the public. The weekly test results were posted on the CLA Facebook site and had 2,500 visits each time.

Public Safety Committee:

Joe Wodarski, Committee Co-Chair addressed the issues at Hollywyle with the Patrol leaving two stranded teenagers on the community dock while they transported a PWC operator at dusk back to dock to arrange to pick up the teens left on the dock. The residents were upset by this and complained to the Authority, it appears that the community is upset with the number of boats in their cove but there is nothing the patrol can do about them.

The other issue is the noise from a boat with a generator and speakers at Chicken Rock and residents in that area are complaining about the noise – there is no noise ordinance but the DEEP supervising Sgt has been looking into the issue. Mr. Marsicano noted that he would be meeting with a member of the community, Senator McLachlan and Rep. Smith tomorrow night on this problem.

Watershed Management Committee: Mark Toussaint, Committee Chairman noted that everything has already been covered.

Equipment/Facilities: In the absence of the Committee Chairman Mr. Marsicano noted that the Authority has received a donation of 1952 wooden Chris Craft which the CLA is having appraised and then the vessel will be given to the Authority.

Old Business: None

New Business: Mrs. Schaer advised that the CLA is planning on stocking more triploid grass carp in the Spring, having speakers on Blue Green Algae over the winter and having the By-Laws reviewed and revised with Mark Toussaint chairing this sub committee.

With no further business to come before the Candlewood Lake Authority, *Joe Wodarski moved to adjourn the meeting seconded by Bill Brown.*
Meeting adjourned at 9:32 P. M.

Respectfully submitted,

George Linkletter, Secretary
Frances Frattini, Administrative Coordinator

r/b/ljm

*These minutes are not considered official
until they have been approved at
the next regularly scheduled meeting
of the Candlewood Lake Authority.*



CANDLEWOOD LAKE AUTHORITY

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Executive Director's Report September 9, 2016 Larry Marsicano

The following report summarizes Executive Director activities from August 5, 2016 to September 9, 2016

Public Safety Issues

On Friday, August 5th the Lake Patrol provided public assistance to two young adults stranded on Hollywyle Island. On Wednesday, August 10th we received email correspondence from Gerry Kraszewski of the Hollywyle Lake Community expressing concerns with actions taken in providing that assistance. I began investigating by contacting CLAMP Chief Doug Vane and the officer who provided the assistance. I also notified Public Safety Co-Chairs and our Chairman. On Thursday, August 11th I received a phone call from the community president, Linda Singagliese who also expressed her anger. I offered to come speak with the community and was invited to their Annual Meeting held on Saturday, August 27th. LPO Nick Mellas and I attended the meeting and discussed the issue. We were also joined by CT DEEP Supervising Sergeant Keith Williams. I have since advised Public Safety on the request by the community to develop a policy on leaving at private docks members of the public not from that private residence of community.

We have also been regularly contacted by Mr. Jay Adolf who lives across from Chicken Rock. Mr. Adolf and some neighbors have created a legal entity, Citizens for a Peaceful Candlewood Lake, and may be taking legal actions against the main perpetrator of excessive noise. He has also scheduled a meeting with State Senator Michael McLachlan and State Representative Richard Smith and will be looking to take legislative actions, including amending statutes allowing Lake Patrols to enforce Creating Public Disturbance (53a-181a) infractions. This meeting is scheduled for Thursday night, September 15th. I have informed Mr. Adolf that in addition to the statute change, other steps would need to be taken to allow for LPOs to enforce that state law including: possible change to local ordinances, support of CLA and Towns, and change to the MOA between the State and the CLA. I will be attending the meeting on the 15th.

Panel Discussion

On August 10th we and fourteen others received an email from the New Fairfield Selectmen's Office with *CLA- Panel Discussion* on subject line inviting us to a panel discussion that the First Selectman was organizing. Others invited in that email are list below. The email did not specify whether CLA

was on the panel or not. That same day we sent a memo to the Town CEOs and others regarding blue-green algae and conditions at local beaches (attached below).

Invitees to the panel discussion listed in the August 10th email

Mayor Mark Boughton Danbury	Mayor David Gronbach New Milford	State Representative Rich Smith 108 th General Assembly District
First Selectman Clay Cope Sherman	First Selectman Susan Chapman New Fairfield	State Rep. Janice Giegler 138 th General Assembly District
First Selectman Steve Dunn Brookfield	State Senator Michael McLachlan 24 th District	Stephanie Podwell, District Director US Congresswoman Esty
Brian Wood FirstLight Power	Len Greene FirstLight Power	Dr. George Knoecklein Northeast Aquatic Research
Marc Bellaud, Solitude Lake Management	Greg Bugbee, CT Agricultural Experiment Station	

On August 11th First Selectman Cope from Sherman *replied to all* asking if there was an agenda and if the CLA was invited. I also *replied to all* asking who was on the panel and who picked them. On August 12th I received an email informing me that Dr. George Knoecklein, Marc Bellaud and Gregory Bugbee were the panelists and that First Selectman Susan Chapman picked them.

On August 14th the News-Times reported that First Selectman Chapman was organizing a panel discussion to discuss the lake. See <http://www.newstimes.com/local/article/Feds-asked-for-help-in-fixing-Candlewood-water-9141856.php>. In that article...

A few panelists are confirmed and a few more might be added.

The Candlewood Lake Authority has been invited to attend, but will not appear on the panel because Chapman want to include new ideas to add to the suggestions the authority has already provided.

On August 13th in the News-Times and August 18th in the Town Tribune it was reported that New Fairfield had a \$661,000 dollar surplus and that some of the funds might be used to further study milfoil and blue-green algae.

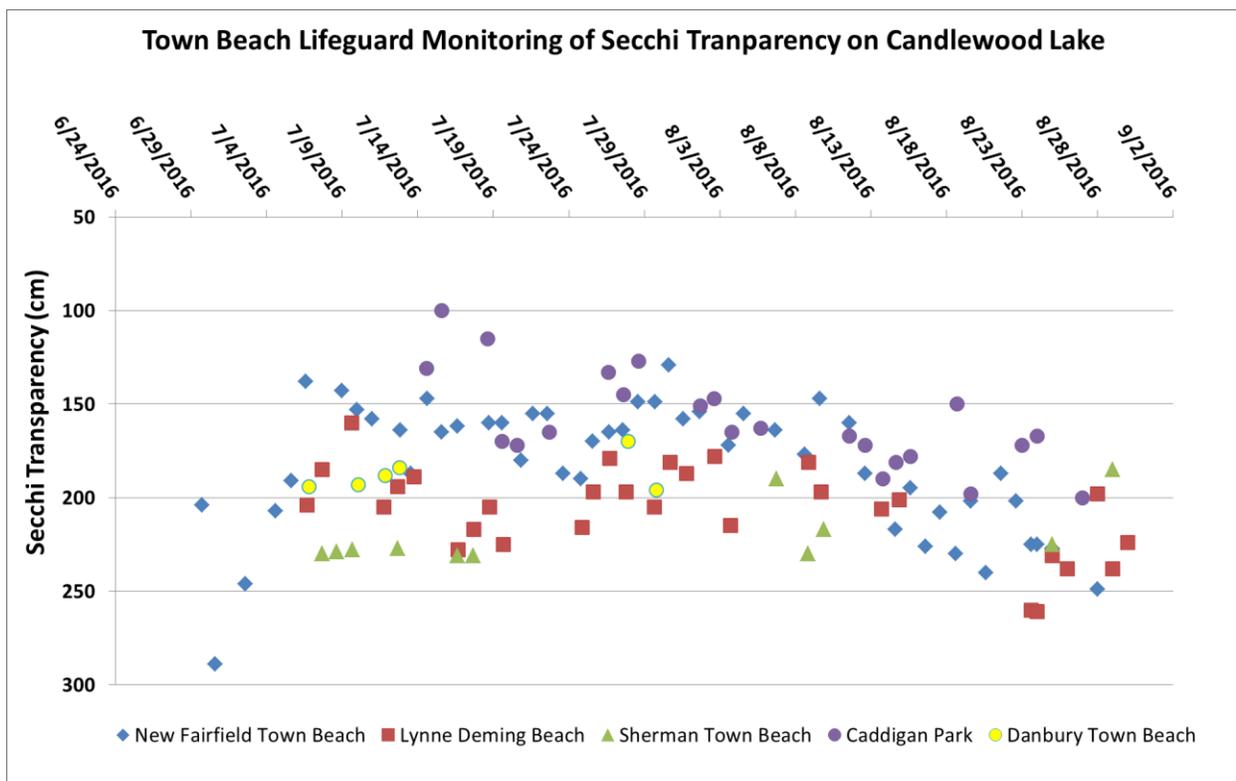
At the August 11th New Fairfield Board of Selectmen's meeting the surplus was discussed as was the concept of setting aside up to \$75,000 for Candlewood studies. During that meeting First Selectman Chapman stated that she had met with Dr. Knoecklein about two weeks earlier.

Interested in the meeting, I asked the Health Director of New Fairfield and Sherman, Tim Simpkins, if he knew anything about a meeting with Dr. Knoecklein. He informed me that he was asked to attend a meeting with Susan Chapman, George Knoecklein, and John Hodge at John's home in New Fairfield. He was unable to attend since he was asked over the phone shortly before the meeting and was already engaged in lake management efforts at Ball Pond. That meeting was scheduled for Monday, August 1st, two days before the CLA's August Executive Committee meeting which John attended remotely.

There is a six year history of Dr. Knoecklein’s involvement, including his raising questions regarding the CLA’s historical water quality database as a consultant for FirstLight. Those questions have been used by some including a CLA board member in attempts to harm the CLA.

Water Quality and Cyanotoxin Monitoring

August water quality monitoring occurred on Candlewood Lake and Squantz Pond on August 25th and 29th, respectively. Conditions appear to have improved over those observed in July with Secchi transparency ranging from 2.1 m to 2.7 m among the four deep water sites on Candlewood Lake. Improvements were also gleaned from the Secchi monitoring by Town Beach lifeguards and other volunteers along the shore of the lake (see below).



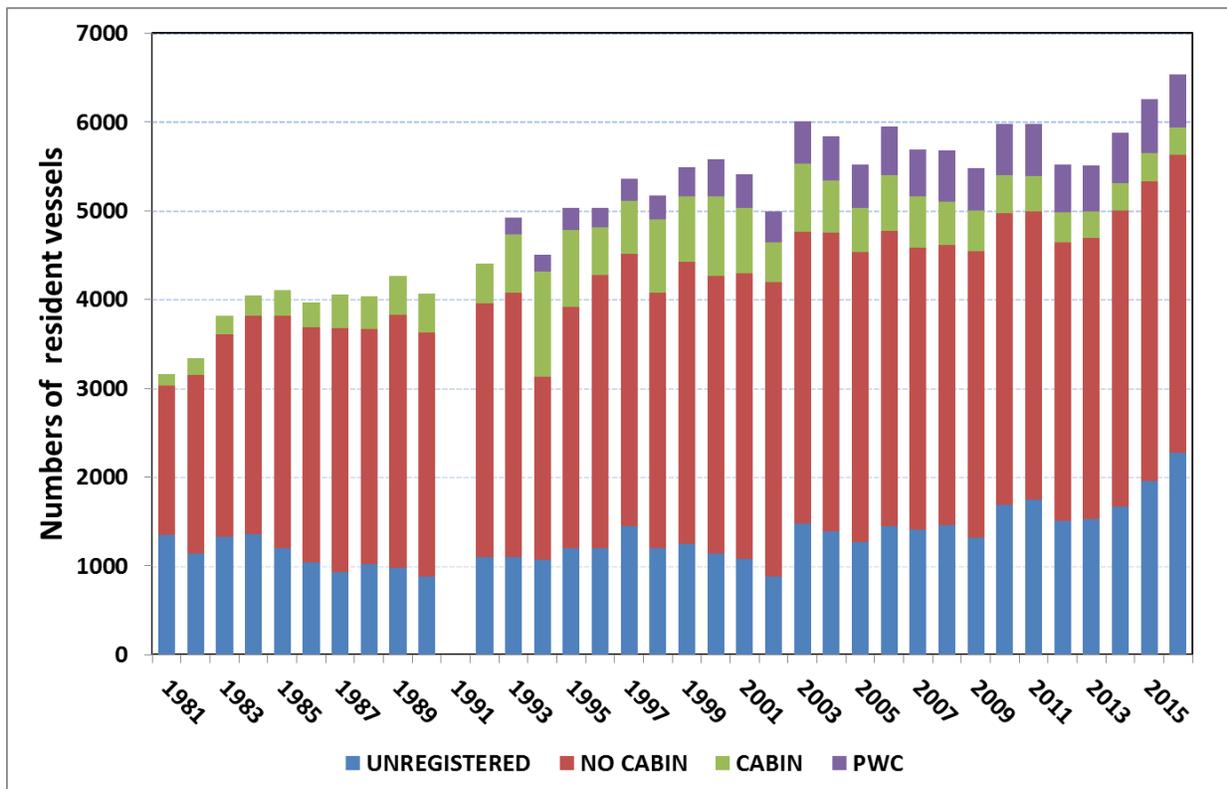
The cyanotoxin monitoring program continued through August. Samples have been collected on Thursday and results reported to town Heath Departments and Park and Recreation staff on Friday. We also were able to work with and get a commitment from WCSU for much of the funding for a fluorimeter that would measure chlorophyll-a, the photosynthetic pigment common to all algae, and phycocyanin, that photosynthetic pigment present in blue-green algae. We are exploring the use of the ratio of these pigments in lake water as predictors of blooms next summer.

Sherman Summary Annual Report

Every year Sherman requests a one page summary annual report from its departments and agencies. Attached below is the report submitted to Tuesday, September 13th following Executive Committee review on September 7, 2016.

Boat Count

Operations staff completed the Annual Resident Boat Count on Candlewood.



There was a very small decrease in the number of registered boats counted: 17 less power boats without cabins counted; 6 less power boats with cabins counted, and 7 less PWCs counted. There was notable increase of 313 unregistered vessels (canoes, kayaks, small sailboats, etc.) counted this year.

FERC Issuance

On September 7th FERC issued a letter to FirstLight with regards to the Lake Advisory and River Advisory meeting minutes report, pump-out report, vegetated buffer report, and seawall report. Of particular importance to the CLA is the following section:

In its December 3, 2015 comments, the Candlewood Lake Authority expressed concern that FirstLight is not willing to share its Geographic Information System (GIS) mapping data. In your response to this comment, you state that you have made your Exhibit G (project boundary) maps available to the public on your website and have collected GIS parcel data from the surrounding municipalities so there is no need to provide additional GIS data. Section XXIV of the approved SMP states: "FirstLight

shall develop a Geographic Information System (GIS) for tracking shoreline activities and licenses/permits. FirstLight will make digital mapping data available to the Municipalities, the Lake Authorities, the Housatonic Valley Council of Elected Officials (HVCEO), the Housatonic Valley Association, and the Northwest Connecticut Council of Governments upon request.” Because the terms “GIS data” and “digital mapping data” are not inherently clear regarding the type of information you possess contrasted with what the Candlewood Lake Authority is seeking, you must file a summary report within 3 months of the date of this letter to resolve the issue. At a minimum, the report must clarify the type and nature of digital mapping data that you have collected, the type and nature of digital mapping data that the Candlewood Lake Authority is requesting, and a plan and schedule for sharing digital mapping data with the Candlewood Lake Authority, if appropriate. In cases where you possess GIS data that you believe should not be shared, you must include adequate justification for that position in light of the SMP’s requirement for you to share digital mapping data. Prior to filing the report, you must provide a draft copy to the Candlewood Lake Authority for a 30-day comment period. The report shall include specific descriptions of how comments were incorporated in the report or reasons why such comments were not incorporated.

Not addressed by FERC was our concern that 1) locations of approved buffers are not provided by the licensee in their reports, i.e. there is no way to effectively assess progress without actually observing the sites, and 2) the licensee reported to FERC that *“On July 6, 2014 approximately 170 power boats, 24 jet skis, 38 canoe/kayaks, and 7 sailboats were actively underway boating at any given moment during the peak summer day. This number is well below the FirstLight developed carrying capacity of 452 boats underway.”*

The assessment that number of boats *is well below the FirstLight developed carrying capacity of 452 boats* was inaccurate and misleading according to the CLA and CT DEEP because the carrying capacity was for in-use vessels which includes those moored in areas like Chicken Rock, Hollywyle Cove, etc., and not for boats underway, i.e. actually moving. In addition, the licensee is required to assess capacity based on six flyovers like it was in 2008. We have repeatedly but unsuccessfully asked for the maps of this flyover data in the format we received it in 2008 when we performed in-use density analyses using GIS showing that on summer weekend and holiday many areas of the lake can reach in-use vessel densities of less than 10 acres per in-use vessel. We will ask for these maps again in our comments to the report required by FERC of FirstLight discussed above.



CANDLEWOOD LAKE AUTHORITY

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Memo

To: CEOs, and Health Directors of the Candlewood Lake Authority Member Municipalities and Lake Zoar municipalities

CC: Chuck Lee, Bill Hyatt, Dr. Ed Wong, Dr. Peter Siver, Tim Simpkins

From: Larry Marsicano, CLA Executive Director

Date: August 16, 2016

Re: Blue-green algae and conditions at local beaches

In light of the recent events I prepared the update below for you on CLA's efforts and results thereof with regards to the blue-green algae and provided other related information.

Toxin and Other Water Quality Monitoring Initiatives

The new CLA-initiated "Cyanotoxin Monitoring Program" that you, several local foundations, and WCSU have supported has proved useful to those responsible for closing and opening public beaches. Even though beaches have been closed based on visual assessment of blue-green bloom conditions, most have been reopened quickly following receipt of microcystin level results.

CT Department of Public Health (CT DPH) lists a toxin threshold of 15 parts per billion (ppb) for microcystin, i.e. anything over 15 ppb is not considered acceptable. Note that levels measured by WCSU to date on Candlewood Lake, Squantz Pond, and Lake Zoar have all been below 1 ppb (Table 1). We did receive from CT DEEP's Chuck Lee blue-green cell count data from samples collected on July 18, 2016 and analyzed by Northeast Aquatic Research (Dr. Knoecklein's company). These data were originally provided to CT DEEP and the Town of New Fairfield by FirstLight Power Resources. Blue-green cell concentrations ranged between 45,000 and 85,000 cells/mL which State guidance characterizes as consistent with Visual Rank Category 2 and advises notification of the CT DEEP and CT DPH and increased regular visual surveillance but not public posting of beach closure. Posting of

beach closure comes with a Visual Rank Category 3 with blue-green cell concentrations >100,000 cells/mL.

It is worth noting the following:

- 1) **High cell concentrations do not always equate to high toxin levels.** Some, but not all, blue-green cells can produce toxins, and those that can are not always producing. Both cell concentrations and cyanotoxin levels are good tools for use by health officials in assessing risk to public health.
- 2) **The moderately high cell concentrations measured this season and last do not represent the first time these types of conditions have occurred at Candlewood.** The ongoing, CLA-sponsored water quality monitoring program did include cell counts from 1985 through 1997. Some early data suggest that we have seen some of our current conditions in the past (See Fig. 1). The new State guidance change has certainly resulted in a greater frequency of beach closures around Candlewood Lake and Connecticut.
- 3) **CLA and WCSU collaboration on BGA continues:** CLA in conjunction with WCSU is developing capabilities for doing cell counts to further assist and benefit local communities in assessing impact of BGA blooms.

Going Forward – Blue Green Algae Options

As CLA did when looking for ways of addressing the Eurasian watermilfoil, we have been planning to bring to our monthly board meetings consultants with expertise in different options of algae control. We are in the process now of scheduling speakers to explore options to better provide recommendations for control and prevention where possible.

It is our intention to go forward with this plan unless there is great redundancy with what New Fairfield is planning. We did reach out to Ms. Chapman on August 1st following the News-Times article and are still waiting to discuss further with her the EPA Nine Minimum Element Watershed Planning proposal (see below). I was also hoping we could also discuss how we can coordinate / not duplicate efforts.

Many in the lake community have expressed interest in blue-green algae issues. We post on our Facebook site the weekly microcystin toxin results provided by WCSU and had been regularly getting over 2,000 views. Given that level of interest and concern, we are also planning an event at WCSU that will be open to the public to let them learn about blue-green algae, the risks associated with them, the research being done, e.g. the microcystin toxin monitoring by WCSU and potential methods to improve water quality.

EPA Nine Minimum Element Watershed Plan using Section 319 Funds

The CLA shares First Selectman Chapman's concern that solutions for Candlewood's problems may be more costly than what local and/or state resources can provide and the assumption that we will need funding from other sources may well be true. Developing a Nine Minimum Element Watershed Plan to qualify for funding from Section 319 of the Clean Water Act is not a simple solution and may need some additional discussion. First, this watershed planning approach using Section 319 funds is usually for waters listed as impaired under the Federal Clean Water Act. Candlewood Lake is not listed in CT as impaired.

Following advice from Brookfield First Selectman Dunn, I recently addressed this issue in a letter to the CT DEEP when opportunity for providing comment on their *Integrated Water Resource Management* strategy presented itself. I did provide you all with that letter and can resend it to you again should you request it.

I checked with the CT DEEP on the concept of developing a Nine Minimum Element Watershed Plan to make Candlewood Lake eligible for Section 319 funding. I learned that CT DEEP and EPA would need to approve the plan first. CLA has already provided a number of watershed management recommendations to our towns to reduce nutrient loading and have taken other steps similar to those as listed in the EPA's Nine Minimum Watershed Plan guidance. Many of our recommendations to the towns were compiled in the CLA's 2002 Action Plan. The development of this plan was a collective effort funded with Clean Water Act Section 604B funds provided by CT DEEP. We had the benefit of an advisory committee comprised of town appointees with land use expertise, CT DEEP, UCONN Cooperative Extension NEMO, King's Mark Environmental Review Team and the guidance and wisdom of then HVCEO's Executive Director Jonathon Chew. The document provides recommendations for reducing nutrient and other pollutant loading via local land use regulations. We would be happy to discuss updating, reprinting and reissuing the plan with you collectively or individually at your convenience.

Should you have any questions regarding this update or regarding other lake-related issues, please do not hesitate to contact me.

Table 1. Microcystin concentrations in parts per billion at local public beaches. Each value is based on the average of duplicate samples. CT DPH suggests a toxin maximum threshold of 15 ppb microcystin. All levels measured to date are less than 1 ppb and well under the acceptable limits.

Public Beach	24-Jun-16	7-Jul-16	14-Jul-16	21-Jul-16	29-Jul-16	4-Aug-16	11-Aug-16
	Parts per billion						
Brookfield	0.041	0.105	0.734	0.261	0.049	0.188	0.063
Danbury	0.053	0.248	0.166	0.152	0.037	0.258	0.140
New Fairfield (1)	0.047	0.203	0.301	0.255	0.019	0.227	0.192
New Fairfield (2)	0.063	0.366	N/A	N/A	0.086	N/A	N/A
New Milford	0.028	0.264	0.277	0.338	0.096	0.348	0.231
Sherman	0.036	0.375	0.216	0.137	0.084	0.602	0.486
Squantz Pond (1)	0.059	0.148	0.171	0.135	0.007	0.286	0.212
Squantz Pond (2)	N/A	N/A	0.136	N/A	N/A	N/A	N/A
Eichler's Cove	N/A	0.063	0.182	0.215	0.017	0.145	0.076
Jackson Cove	N/A	0.076	0.133	0.144	0.071	0.281	0.573
Kettletown	N/A	0.181	0.124	0.374	0.053	0.829	0.232

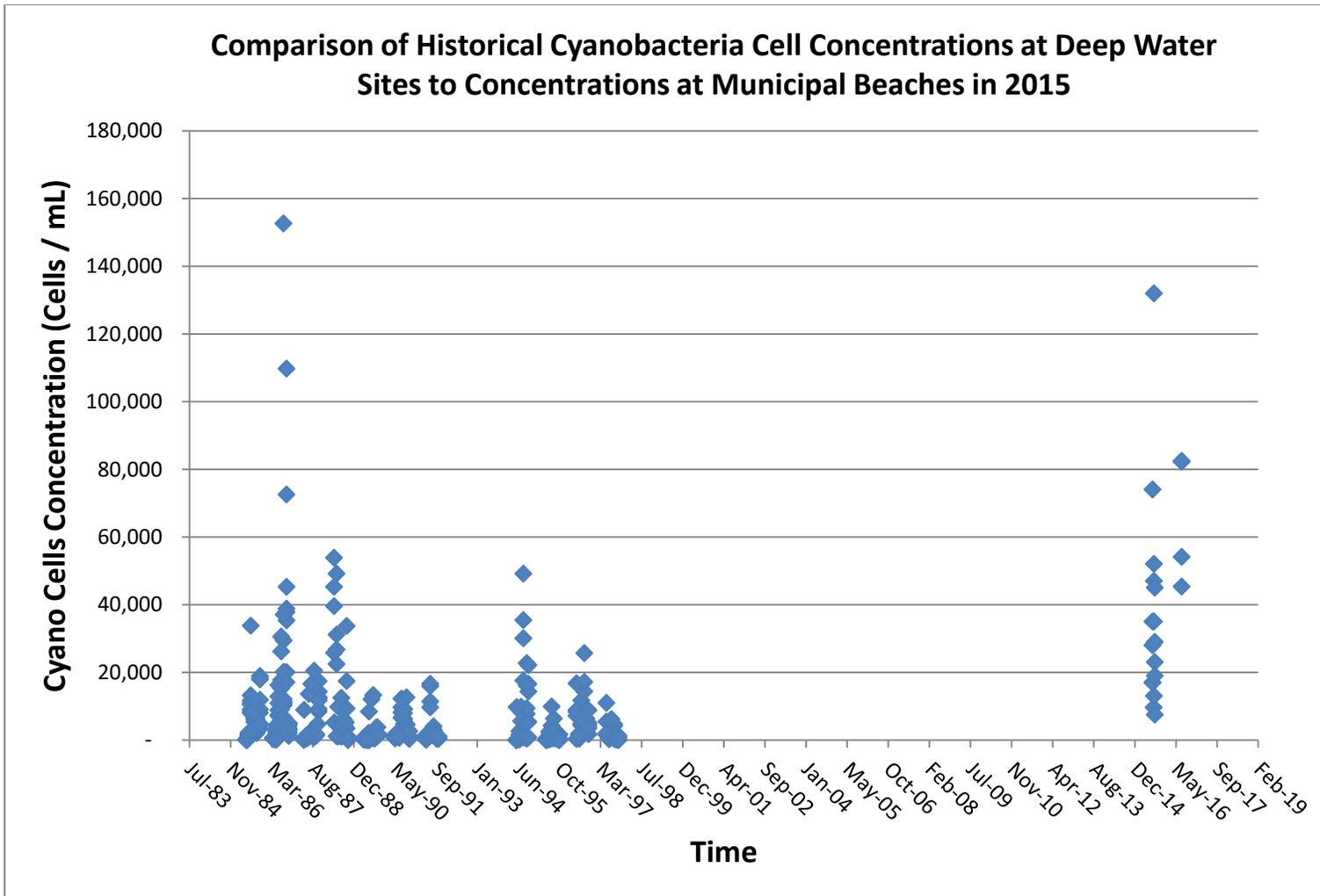


Figure 1. Planktonic cyanobacteria (blue-green algae) cell concentrations measured in Candlewood since 1985.

**CANDLEWOOD LAKE AUTHORITY (CLA):
ANNUAL SUMMARY REPORT FOR FY 2015-2016**

Lake / Shoreline / Watershed Management

The 2015 water quality, bacteria, zebra mussel (veligers and adults) and Town Beach & Volunteer Secchi Disk monitoring programs were completed and the 2016 programs initiated. CLA provided a rapid response to the cyanobacteria blooms in the summer of 2015 with sample collections, transport to a lab for analyses and reporting results back to Health Departments. CLA collaborated with WCSU on a cyanotoxin monitoring program for public beaches which was implemented in 2016 with local foundation funding and additional support from our municipalities. In response to the Sherman First Selectman's request, CLA took the lead in the Town's *Health of the Lake Forum* held on October 3rd. CLA co-authored and submitted a manuscript for publication in *Lake and Reservoir Management Journal* entitled *Statistical Assessment of Long-term Trends for Management of Candlewood Lake, Connecticut, USA* which is currently in the review process. Upon request by Danbury EIC we reviewed and commented on four site plans for proposals on lakefront properties. CLA used satellite imagery to understand water quality change, and participated in an EPA-sponsored workshop at Squantz Pond on cyanobacteria bloom monitoring.

Aquatic Invasive Species (AIS) Management

After successfully collaborating with State Sen. Chapin to ensure a second year of funding in the State's 2015/16 budget for AIS grants, CLA applied to the grant program and was awarded \$13,500 to use toward the proposed study on the use of CO₂ to prevent further spread of zebra mussels in the Housatonic River Watershed. CLA also developed support from Praxair who committed over \$22,500 toward the study. The State grant funding and commitments from Friends of the Lake (Lillinonah) and Lake Zoar Authority were used to match Praxair's contribution. CLA coordinated interactions between federal, state, corporate, WCSU and local stakeholder to plan the study tentatively scheduled for August of 2016. We continued to monitor for zebra mussels and coordinated aggressive AIS education initiatives included billboards and boat ramp stenciling with funding from the State. In October CLA was asked by the New Fairfield Selectmen's Office to develop a permit application for triploid grass carp (TGC) for Squantz Pond. After preparing the application CLA was told in November that the Town was going to prepare and submit it. In early March we were asked again and provided assistance in preparing and submitting a permit application and a portion of a grant application for the carp in mid-March. CLA successfully applied to the Goldring Family Foundation for equipment for a TGC tracking study and coordinated the multi-faceted study that continued throughout the summer of 2016. In September of 2015 CLA learned that a paper it co-authored and had published in *Lake and Reservoir Management Journal* on the effectiveness of a winter seasonal lake drawdowns to control invasive Eurasian watermilfoil had been nominated for paper of the year by that journal.

Recreation Management / Public Safety / Candlewood Lake Authority Marine Patrol (CLAMP)

The CLAMP logged 1,416 man-hours on the water, 496.5 man-hours off the water and 165.5 man-hours of CT Department of Energy and Environmental Protection (CT DEEP) required training resulting in 500+ professionally handled contacts with the recreational boating public (e.g. 32 infractions, 19 written warnings, 220 verbal warnings), participation in public events (e.g. Sherman Traffic Committee Safety Day, other Fire & Safety Days, Memorial Day Parades), and other services improving safety. CLAMP responded to public concerns including rafting and loud music in coves and in close proximity to shoreline communities. The CLA deployed, retrieved, and maintained 72 buoys on the water and conducted the resident vessel count.

Public Education / Outreach / Fundraising

The CLA built, launched and updated a new website (www.candlewoodlakeauthority.org) built on a mobile-friendly HTML5 platform. The CLA launched an Instagram account and YouTube channel to reach new followers, while increasing their Facebook followers from 1,589 to 2,299. CLA wrote and distributed eight electronic newsletters, planned and held its 16th Annual Lake Clean Up, 7th Annual Dragon Boat Race and its 3rd lake-wide State-of-the-Lake meeting. The CLA participated in many community events (e.g. Sherman Memorial Day Parade, Sherman PTO Science Night, New Milford Village Fair Days), presented or exhibited for 14 community organizations including Great Hollow Preserve Grand Opening, Danbury Chamber of Commerce Leadership Danbury, Brookfield High School Environmental Class and the New Milford Historical Society. Seven grant proposals to various state, corporate, and foundation programs were prepared by the CLA and collectively awarded over \$38,000. The CLA was successful in several fundraising efforts, including appeals, merchandise sales, sponsorships and an "Adopt a Carp" program.

FirstLight Power Resource (FLPR), Federal Energy Regulatory Commission (FERC) & Shoreline Management Plan (SMP)

The CLA participated in meetings and reviewed draft reports, minutes, and FLPR submittals to FERC stemming from a Recreation and Shoreline Management Lake Advisory Committee, and Technical Committees set up for Nuisance Plant Monitoring and winter drawdowns for milfoil control. CLA prepared and submitted written comments on selected draft reports and minutes and also collaborated with FirstLight in developing consensus for a modification to the SMP to expedite revegetation of the shoreline.

General Operations / Administration / Finances

The CLA maintained six vessels, five trailers, several docks, a truck, and office facilities and systems (e.g. IT) and grounds in Sherman and New Milford, including the CLA's demonstration Vegetated Buffer Garden. CLA successfully collaborated with the Sherman Selectmen's Office in submitting an ICE Grant application to the State to replace a Patrol Boat that became unsafe at the end of the 2015 summer. Lastly, CLA spent considerable time and effort responding to accusations by the Town of New Fairfield, reports by their auditor, and opinions from legal firms they hired regarding alleged financial wrong-doing by CLA. These accusations were not substantiated by our auditor, and New Fairfield's actions were not supported by all the other member municipalities.



CANDLEWOOD LAKE AUTHORITY

Member Municipalities: Brookfield • Danbury • New Fairfield • New Milford • Sherman

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Executive Director's Report
August 5, 2016
Larry Marsicano

The following report summarizes Executive Director activities from July 11, 2016 to August 5, 2016

Water Quality & Cyanotoxin Monitoring

We performed water quality monitoring on Candlewood Lake and Squantz Pond for the third time this season on July 20th and 28th, respectively. Secchi disk transparency levels were comparable to those observed in July of 2013, lower than those observed in 2014 and 2015, and are shown below (Fig. 1) compared to the past three seasons.

We have been closely tracking Secchi transparency data collected by lifeguards and volunteers. This year, participation has been very good (see Fig 2). Many of the readings have ranged between 150 and 200 cm which are similar to last year's range for the same time period.

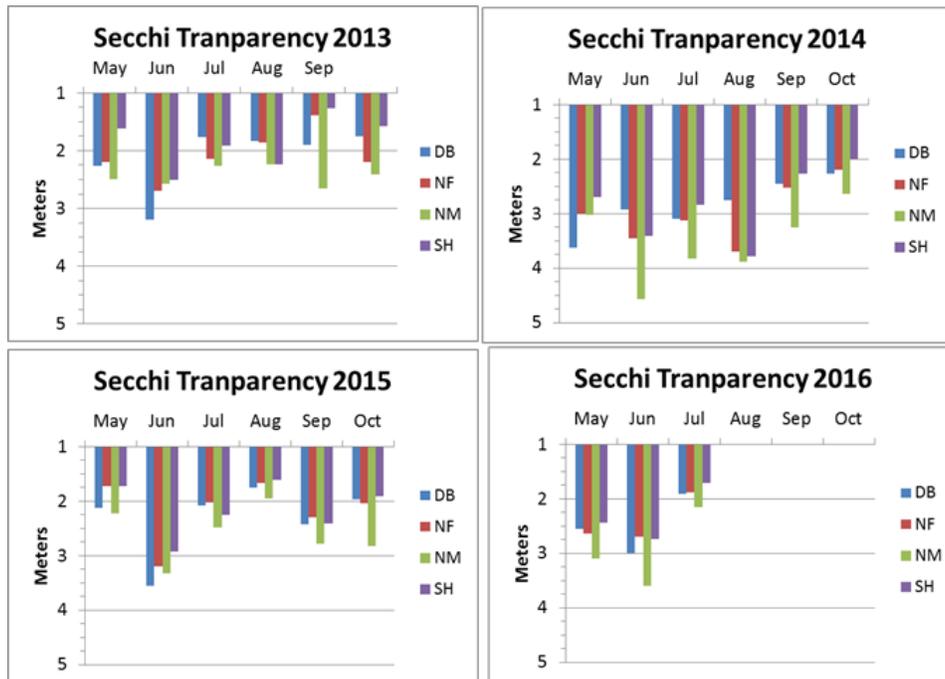


Figure 1. Secchi transparencies at four monitoring stations from 2013 – 2016.

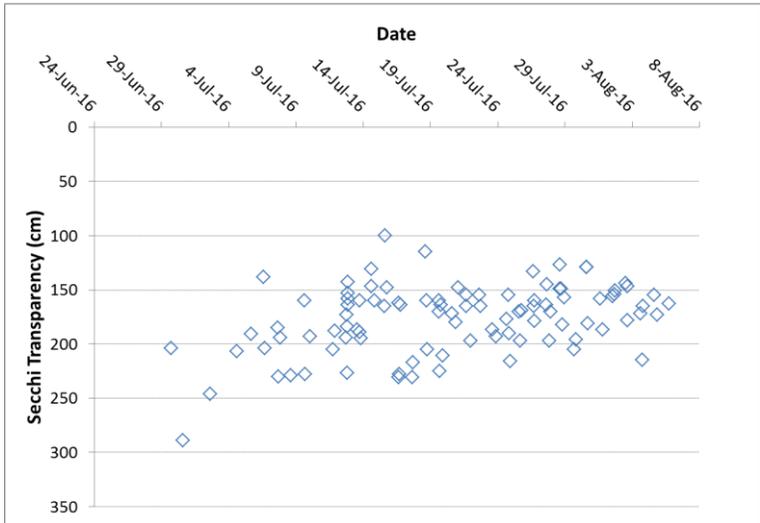
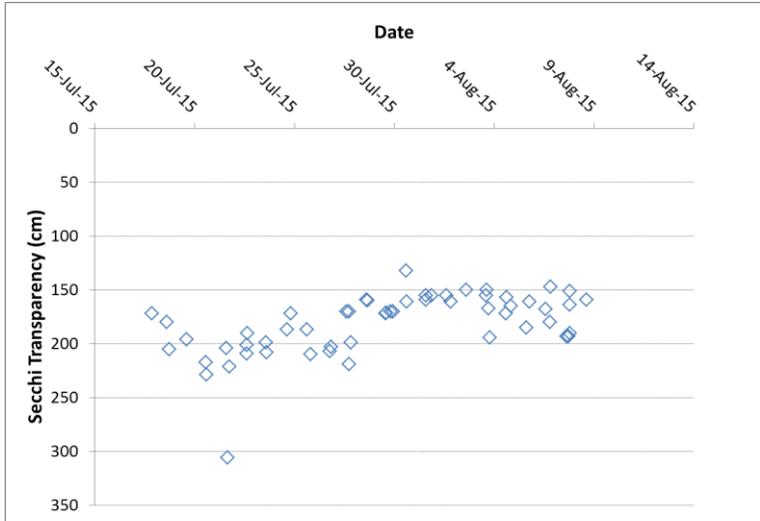


Figure 1. Secchi transparency monitoring by life guards and volunteers in 2015 and 2016.

The cyanotoxin monitoring program has also been very valuable to those responsible for public health at public beaches. All levels measured thus far have been well below the States guidance threshold for microcystin of 15 ppb (See Table 1 below). We have also been working to develop capabilities to perform algae counts which are also used to assess public risk. On July 26th I met with Dr. Wong and Paul Steinmetz who is the WCSU Director of Public Affairs and Community Relations to discuss program enhancements.

We have maintained regular and ongoing dialogs with Health Directors around Candlewood Lake and assisted Park and Recreation Departments with visual assessments and training of lifeguards.

CO2 to Prevent Spread of Zebra Mussels

I reported last month of the positive efforts and collaboration, particularly between CLA and Praxair in moving the CO2 study forward. I also reported that the CT DEEP and BOR were working on a project management plan, i.e. the document of the two government agencies outlining the terms of the agreement, i.e. CT DEEP was funding expenses incurred by Dr. Kevin Kelly of the BOR to do this research. The BOR wanted the State to include language in the document indemnifying them. This is something a State agency cannot do short of legislation due to Connecticut’s sovereign immunity. While BOR understood the problem in CT including the language, they were unable to go forward without the indemnification.

Table 1. Results from microcystin analyses performed by WCSU on samples collected from public beaches on Candlewood Lake, Squantz Pond and Lake Zoar. The State guidance threshold for microcystin levels is 15 parts per billion.

Public Beach	24-Jun-16	7-Jul-16	14-Jul-16	21-Jul-16	29-Jul-16	4-Aug-16
	Parts per billion					
Brookfield	0.041	0.105	0.734	0.261	0.049	0.188
Danbury	0.053	0.248	0.166	0.152	0.037	0.258
New Fairfield (1)	0.047	0.203	0.301	0.255	0.019	0.227
New Fairfield (2)	0.063	0.366	N/A	N/A	0.086	N/A
New Milford	0.028	0.264	0.277	0.338	0.096	0.348
Sherman	0.036	0.375	0.216	0.137	0.084	0.602
Squantz Pond (1)	0.059	0.148	0.171	0.135	0.007	0.286
Squantz Pond (2)	N/A	N/A	0.136	N/A	N/A	N/A
Eichler's Cove	N/A	0.063	0.182	0.215	0.017	0.145
Jackson Cove	N/A	0.076	0.133	0.144	0.071	0.281
Kettle town	N/A	0.181	0.124	0.374	0.053	0.829

I did coordinate a conference call with Bill Hyatt of CT DEEP and staff from Congresswoman Esty’s, Senator Blumenthal’s, and Senator Murphy’s offices. Rich Kehoe from Senator Blumenthal’s office worked in the State’s Attorney General’s Office when the Senator was the Attorney General and did understand the issue. He did reach out to the State’s AG Office and the DOI but this has not been resolved yet. Mr. Hyatt did believe there were other “Executive Branch” channels that would lead to an agreement between the two government agencies but this could not be accomplished in time for this season. Mr. Hyatt indicated that he would start working on this soon.

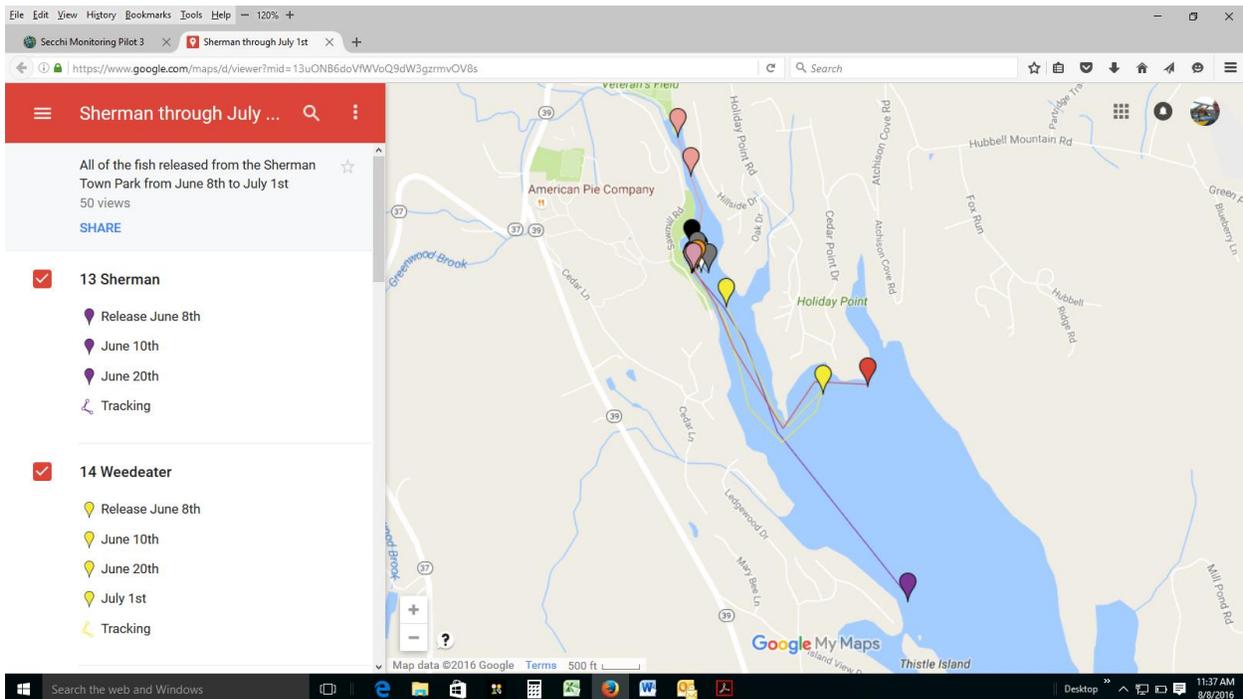
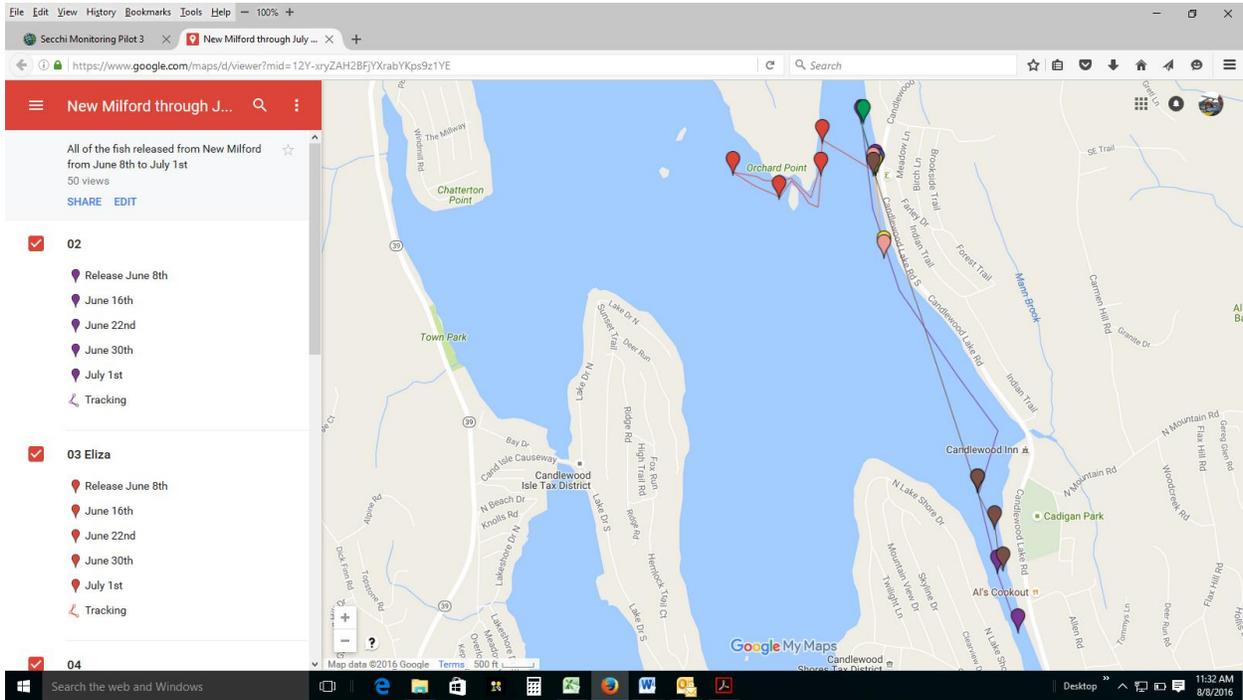
I did contact and informed the other partners, including the facility owner, Praxair and WCSU.

Carp Tracking Study

The carp tracking study continues to go well. The procedure has been revised some such that approximately seventy sites have been selected based on CAES 2015 weed maps. At each site the entire scan is performed. This has resulted in some interesting insights, e.g. fish traveling

great distances from the site at which it was stocked. An example of some of the tracking being done is providing below.

Observations of radio-tagged triploid grass carp stocked at the Candlewood Lake Club (top) and Allen's Cove (bottom) from June 8th thru July 1st.



Progress on Buffer Acceleration Efforts

At the last board meeting, Brookfield Selectman Susan Slater requested that someone from CLA or FirstLight attend the next BOS meeting to make a presentation on the buffer acceleration program. The Selectmen had discussed it at a BOS meeting prior to our July board meeting but there were some questions they wanted answered before supporting it. Phyllis and I attended the Brookfield BOS meeting on the night of Monday, August 1st. We presented on the history of buffers in the SMP, the agreement between the towns and licensee, the benefits of buffers and answered questions. The Selectmen voted to approve supporting FirstLight's proposal to accelerate revegetation of the shoreline.

Leadership Danbury

On Thursday, July 28th Phyllis Schaer, Jerry Murphy and I participated in the Greater Danbury Chamber of Commerce Leadership Danbury program. Each July we provide the presentation on Candlewood Lake and the Candlewood Lake Authority and then provide a boatride for the 20 to 25 members of that year's class.

This year one person in the class was Amber Wilder who is the Corporate and Community Engagement Director for AFC Urgent Care in Danbury. Ms. Wilder and I have had follow up discussions on how AFC Urgent Care and their employees might become involved in supporting our efforts and programs.

Cyanobacteria

We continue to learn as much as possible about cyanobacteria and managing blooms. The links below provides important background.

Cyanobacteria: Causes, Consequences, Controls (Power Point Presentation)

Robert (Bob) Kortmann, Ph.D.

Ecosystem Consulting Service, Inc.

<http://www.paawwa.org/wp-content/uploads/2015/04/kortmann.pdf>

Cyanobacteria in Reservoirs: Causes, Consequences, Controls (Paper)

By Robert W. Kortmann, Ph.D.*

[http://westhillpond.org/wp-](http://westhillpond.org/wp-content/uploads/2015/08/Kortmann_Cyanobacteria_in_Reservoirs.pdf)

[content/uploads/2015/08/Kortmann_Cyanobacteria_in_Reservoirs.pdf](http://westhillpond.org/wp-content/uploads/2015/08/Kortmann_Cyanobacteria_in_Reservoirs.pdf)

Dr. Kortmann and Ecosystem Consulting Service, Inc. are located in Coventry, CT. I have spoken to Dr. Kortman in the past about speaking to the board on this topic. I would be happy to contact him again and arrange for him to speak to us at the next board meeting.



CANDLEWOOD LAKE AUTHORITY

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September 14, 2016
Public Education
Mark Howarth

Blue-Green Algae Public Presentation:

On Thursday, September 22nd at 7pm the Candlewood Lake Authority is putting on a public presentation about blue-green algae.

Larry Marsicano will present for the CLA, discussing blue-green algae and the possible changes we are seeing here on Candlewood.

Edwin Wong, Ph.D., Molecular Biology at Western Connecticut State University, will also present that evening. He will be discussing the blue-green algae toxin testing program that WestConn conducted this season here on Candlewood Lake, as well as on Lake Zoar.

We expect this program to be very informative and helpful to not only residents and users of Candlewood and Zoar, but for many lake residents and users from other lakes in the area who want to learn more about blue-green algae, what to look for, the potential risks etc. associated with blooms.

Adopt-A-Carp Program:

The carp adoption program has been going well. As of today people have adopted 23 out of a possible 26 regularly or recently located, carp. That leaves only 3 carp to adopt at this point in time.



We know you have questions...and we want to help answer them.

Blue-green algae blooms are impacting lakes and rivers across the country and the globe and scientists now understand more about the potential risks associated with these blooms than they did just a short time ago. **Everyone is welcome** to join us at a special free public presentation and Q&A session about blue-green algae which will cover changes we may be seeing in Candlewood, the current testing program being run by WestConn and what the future may hold for the Lake.

When: September 22nd, 2016 @ 7:00 pm

Where: Western Connecticut State University

Midtown Campus - Science Building (9th Ave. & Osborne St.) - Room 125

Map: www.wcsu.edu/campustour

Featured Speakers



Larry Marsicano
Executive Director
Candlewood Lake Authority



Edwin Wong
Ph.D., Molecular Biology
Western Connecticut State University

The Candlewood Lake Authority has been working to preserve and protect Candlewood Lake since 1972. We have been monitoring the water quality continuously for nearly 35 years and not only working to understand any changes in water quality trends, but also working to bring about change that has a positive impact on water quality in Candlewood Lake. We hope you will join us for what is sure to be an informative and valuable evening as we all come together with an eye towards an improving future for Candlewood Lake.

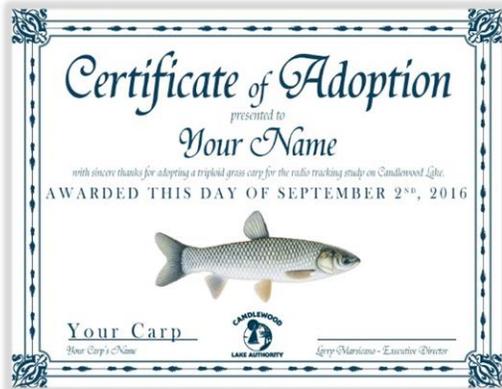


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DOCK SPECIALISTS



Blue Water Marine • CT Weather Center
Danbury Oral & Maxillofacial Surgery • CT BASS Nation

When the carp are adopted, the adopting “parents” receive an “adoption kit” from us, which includes a Certificate of Adoption, letter of thanks that also has the specific radio frequency of their fish, a Summer 2016 magnet and Preserve and Protect Candlewood Lake window sticker.



I will be taking over the work done by our intern Michele O’Hara, who developed the maps for all of our carp. In the coming weeks as new data comes in I will be updating those maps for the people who have adopted our carp. An example of one of the carp maps is:

On August 8th I joined a live radio broadcast with Mariette Kammerer (WICC) to introduce our carp adoption program.

Aquatic Invasive Species Boat Ramp Signage:

We have developed new signage for the boat ramps. These large signs 48”x 24” will replace the existing signs at the ramps, several of which have been either stolen or damaged by ramp users.

The current sign was designed with a few key points in mind:

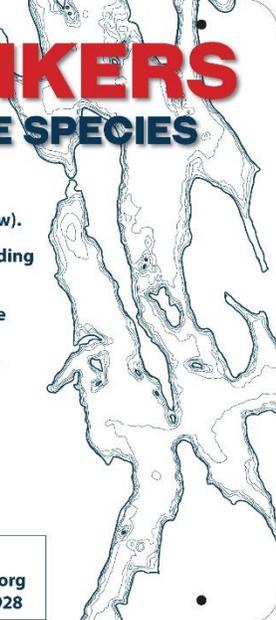
- The primary objective was to simplify the message and information on the signs to make them more user-friendly. The old signs had a lot of information on them, making them potentially overwhelming to those who saw them. These signs contain the most important information in what we feel is an easier to follow layout.
- The CLA is also working to create a common look to as many pieces we put out as possible, whether they are signs or printed publications. This was an earlier recommendation of the Public Awareness Committee, and we will continue to develop new or redesigned pieces that way.

We are awaiting final word from CT DEEP on adjustments to the cleaning protocol.

STOP AQUATIC HITCHHIKERS

PREVENT THE SPREAD OF AQUATIC INVASIVE SPECIES

- CLEAN** Remove all visible plant, fish and animals as well as mud or other debris from your trailer, tow vehicle, boat and equipment before leaving any lake’s boat launch (see graphic below).
- DRAIN** Before transporting, drain all water from every space and item that may hold water including bilges, ballast tanks, live wells, engine cooling systems, etc. away from any waterway.
- DRY** All equipment that has come into contact with the water needs to be dried for at least one week (hot/dry weather) and four weeks (cool/wet weather) before launching.
** If proper drying is not possible, wash with HOT water (preferably high pressure) or wet with soap and hot water (Lysol, boat soap, etc.) for 10 minutes prior to rinsing.*







MORE INFORMATION

www.candlewoodlakeauthority.org
CLA Phone Number: 860-354-6928

Social Media / Website Usage and Followers:

We continue to get a lot of interaction through all forms of our social and electronic media. We make regular updates to our website and also get emails, often daily, from people asking us questions through our email form on the site. Since the launch of the new website in April, which is now visible and easily accessible throughout all desktop and mobile platforms, this email activity has increased over previous years and the below table shows the increase in overall use on our new site from Memorial Day Weekend through Labor Day Weekend each of the past two summers.

Analytics of www.CandlewoodLakeAuthority.org

Memorial Day – Labor Day	Year 2015	Year 2016
Sessions	9,178	15,931
Users	7,612	13,511
Pageviews	19,858	49,824
Pages / Session	2.16	3.13

Our Instagram followers have increased slowly, but our long-established Facebook page continues to gain followers throughout the year, especially the summer, now totaling a little under 2,500 followers. We have had two regular postings this summer which have been popular among our followers – the weekend Candlewood Lake weather forecast, as well as the weekly results from the blue-green algae tests.

CANDLEWOOD LAKE
WEEKEND WEATHER FORECAST
 FROM METEOROLOGIST BILL JACQUEMIN

BOATING EMERGENCY? CALL 860-424-3333

Tonight: Mostly cloudy. Isolated shower or thundershowers. Lows 65-70. Wind light and variable.

Saturday: Partly sunny with afternoon showers or thundershowers. High near 85. Wind South 10 mph.

Saturday Night: Isolated shower or thundershower. Humid. Lows 70-75. Wind South 10 mph.

Sunday: A morning shower then partly sunny. Highs 80-85. Wind Northwest 8-16 mph.

Water Temperature: 76 degrees

Weekly Test Results
 for
Blue-Green Algae Toxins

Testing Date: 9/8/2016 State of CT Threshold: 15 ppb

Below are the blue-green algae test results from Western Connecticut State University.

- PLEASE NOTE: THIS IS THE FINAL WEEKLY TEST FOR 2016 -

Water samples were taken yesterday, September 8th. The threshold for the microcystin toxin in State of CT guidance for public beaches is 15 parts per billion (ppb). None of the samples tested by WCSU indicated toxins above that threshold.

- Danbury Town Park (0.029 ppb)
- Brookfield Town Park (0.021 ppb)
- Lynn Deming Town Park (0.026 ppb)
- New Fairfield Town Park (0.028 ppb)
- Sherman Town Park (0.083 ppb)
- Squantz Pond State Park (0.026 ppb)



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June 8, 2016
Public Education
Mark Howarth

Clean – Drain – Dry YouTube Video:

We have created a new video for the Candlewood Lake YouTube channel. This video features Larry, and demonstrates Clean – Drain – Dry, including how you should clean your boat to ensure it is free of aquatic plants and how to inspect it for other aquatic hitchhikers such as zebra mussels. It is being modified at the moment, but will be available in the next day or so.

To view the video, visit our YouTube channel!

Village Fair Days 2016:

For Village Fair Days this year we decided to redesign our booth and the layout we use to boost interaction and learning through our educational materials.

In the past we've used an inside "U" shape, which required people to enter our booth under the tent and wander through to see our educational materials. It appeared that while some people were willing to do that, we may have been missing out on educating others who were not willing to walk in. So to correct this we came up with a redesigned booth that put two tables up front, at different heights, with all of our materials clearly visible to all walking by.

In addition, we no longer hung large boards with large printed materials on them – and instead we transferred everything to 11x17 inch printed "tablets" that sat on the tables, which people could look through, pick up and read.

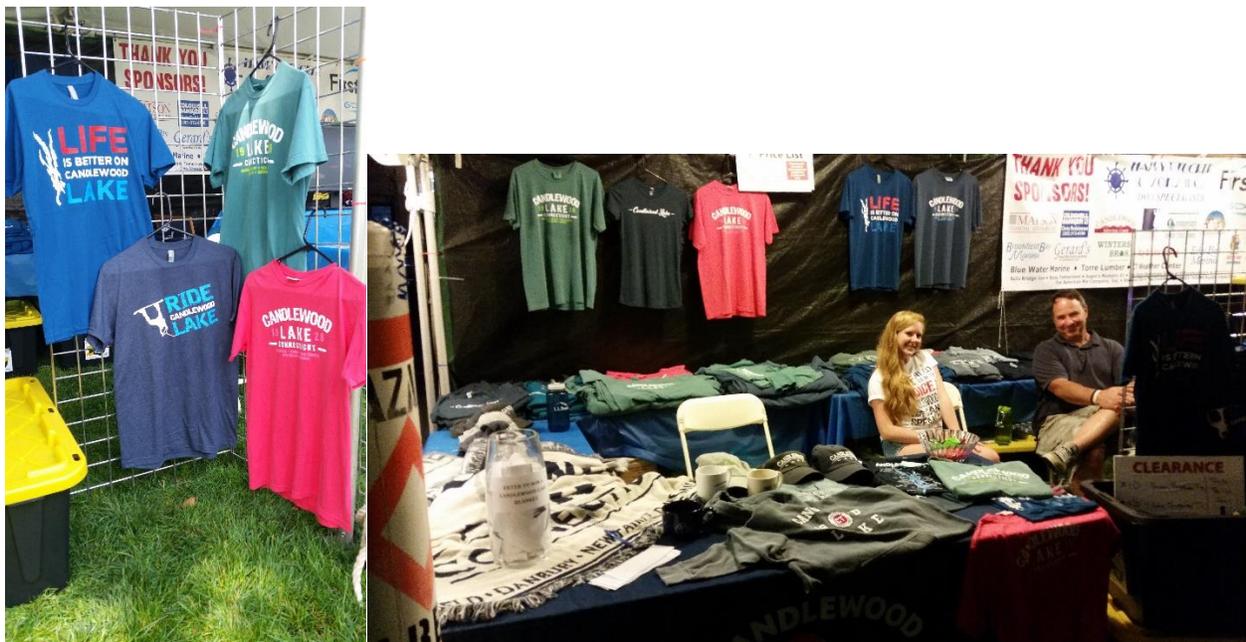
The educational side of our booth focused on the new grass carp program, and especially the tracking program, aquatic invasive species, blue-green algae and boating safety.

We also added an audio/visual component to the booth this year. With Michele's help, we were able to have three YouTube videos running in succession, on a loop – through a laptop and monitor. The three videos were the grass carp video, the aquatic invasive species video and a new blue-green algae video.

The result of this layout seemed to be as hoped – more people stopping by to learn about what we do and asking questions of us (milfoil/grass carp and blue-green algae were the hot topics as expected).



The other half of our booth featured our merchandise sales. This year we offered two new t-shirt designs, in a total of 5 different colors, as well as a new mug and an updated hooded sweatshirt. Also new this year was a clearance bin of shirts that consisted of a mix of shirts and sweatshirts that we only had a few left of, and would not be reprinting. That proved to be a very popular addition and helped us to clear out some old inventory.



Unfortunately, this year, at 5pm on Saturday, the rains came and shut the fair down five hours early, and eliminating what would have likely been the busiest time for us. Even with the bad weather and early end to the fair, our sales were on track to meet or exceed prior years.

We are planning an online store promotion to allow people who couldn't get to Village Fair Days, or who got rained out of coming Saturday night, to purchase our items.

Thank you to all of the volunteers who came to help out at the booth.

Adopt-A-Carp Program:

We have received 15 carp adoptions so far, but we do still have several fish that have been located, remaining to adopt.

At village fair days there were even two people who came by the booth who adopted fish on the spot!

On Monday night (August 8th) I am planning to go on the radio (WICC) on a program briefly to introduce our carp adoption program, with planned recorded pieces perhaps with Larry and Dr. Pinou, to air later.

Aquatic Invasive Species PSA Radio Spots:

In conjunction with the State of CT's Aquatic Invasive Species weekend in July, we aired a number of "Clean-Drain-Dry" brief 30-word radio PSA spots in an effort to help raise awareness about the need for people to be proactive in preventing the spread of aquatic hitchhikers.