

CANDLEWOOD LAKE AUTHORITY

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

Minutes of Regular Meeting June 12, 2013

Attending:

H. Berger	Sherman
E. Hayes	Sherman
P. Schaer	Sherman
B. Kemble	New Fairfield
J. Hodge	New Fairfield
M. Toussaint	New Milford
H. Mayer	New Milford
J. Wodarski	New Milford
C. Robinson	Danbury
E. Siergiej	Danbury
D. Rosemark	Danbury
W. Lohan	Brookfield
J. Murphy	Brookfield

Absent:

N. Gyle	New Fairfield
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L. Marsicano, CLA Executive Director
M. Howarth, CLA Public Education Director
F. Frattini, CLA Administrative Coordinator

Recorder: E. Siergiej

Guests: G. Linkletter, Sherman
S. Randall, Sherman
S. Paduano, New Milford
M. Propper, Danbury
S. Wodarski, New Milford
J. Marquee, Danbury
Marc Bellaud, Aquatic Control Technology

Howie Berger, Chairman, called the regular meeting of the Candlewood Lake Authority to order at 7:35 P.M. at Brookfield Town Hall, Brookfield, CT. He welcomed the guests.

Secretary's Report: Ed Siergiej, Secretary, noted there were no corrections to the minutes of the May meeting, John Hodge moved that the minutes of the May 8, 2013 meeting be accepted as written, seconded by Harold Mayer and voted with all in favor. Motion carried, minutes accepted.

Chairman's Report: Mr. Berger reported that the Meserve Grant that had been received for technology for Project CLEAR and the purchase of Tablets for the student research groups for

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JUN 17 2013

at ^{12:50 pm} ~~12:50 pm~~ o'clock Map#

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Town Clerk

continued. It was decided that the best time to treat Candlewood would be the early spring after a deep drawdown to be most effective and cost efficient.

Mr. Berger thanked Mr. Bellaud who then left the meeting at 9:02 PM

Public Education Director: Mark Howarth, Public Education Director, his report is attached to these minutes.

He noted that the Public Awareness Committee had met prior to this meeting – they discussed participation in New Milford Village Fair Days July 26 and 27 and advised that volunteers are needed to man the booth – he will be sending out a note on this. Sponsorship letters have gone out and sponsors are starting to come in. The Dragon Boat Race is August 17th and volunteers are needed for that event also. New merchandise has been received and orders have been coming in. He attended Brookfield Volunteer Fire Department's Kid's Day with Lake Patrol Officer Jeff Dunkerton and it was a good event

Howie Berger asked Jerry Murphy, Dan Rosemark and Phyllis Schaer, the volunteers to be the FirstLight Liaison to get together and discuss how they would like to proceed.

Executive Director's Report: Mr. Marsicano noted that his report is attached to these minutes. He spoke on Invasive Species Management including his trips to Laurel Lake. He showed everyone an artificial substrate for zebra mussels (Zebra mussel Hotels) that Mrs. Schaer had arranged to have made with the money received from the Danbury New Fairfield Women's Club; an intern from WCSU will be monitoring them through the summer. The CLA has two interns this summer (unpaid) who among other tasks, have begun assembling a list of property owners with flowage rights noting that so far 114 have been identified with the majority in Atchison Cove, Northern part of Candlewood Isle and the "by water only" cabins in New Fairfield. Other items from his written report include: Water Sampling has begun, looking for grants to cover the cost of new radar units for the patrol, and participation in the Sherman Memorial Day Parade.

Watershed Management: did not meet in May. Mr. Mayer did report that he and Mr. Marsicano have a possible meeting with NU on July 7 or 8 regarding Vaughn's Neck/Candlewood Mountain and are hoping for more concrete answers than before.

Drawdown was discussed noting that FirstLight has made no definite decision yet – Mrs. Schaer noted that there is a process that they must follow to remove the drawdown from the license, they will need to apply to FERC to do so.

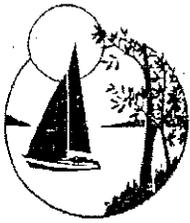
Mr. Mayer advised that there are ten years of historical data showing an effective drawdown yet this model is not always used. Mr. Marsicano added that the Order on Rehearing of the License notes that they should confer with the Technical Committee on the drawdown annually.

Mr. Berger reported that under the SMP FirstLight cannot charge communities for their docks only commercial docks can be charged. He asked about a speaker for next month on Grass Carp – Mrs. Schaer advised that she is working on it. It was suggested that the milfoil control methods could be the topic for a Science at Night at WCSU in July or August.

Public Safety: Jerry Murphy, Co-Chair, reported that they would like to have an Appreciation dinner in the fall. The Patrol is out and doing well.

Mr. Marsicano wanted to express thanks to LPO Dunkerton for his help last weekend with the boat.

Equipment/Facilities: Ed Siergie, Committee Chair reported that the with the heavy rain last weekend the SteigerCraft had sunk at the dock, luckily most of the electronics were not under water but after it was raised and it was brought to Echo Bay who noted there may not have



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Executive Director's Report
June 7, 2013
Larry Marsicano

JUN 17 2013

at 12:50⁰⁰ⁿ o'clock Map# _____

Town Clerk

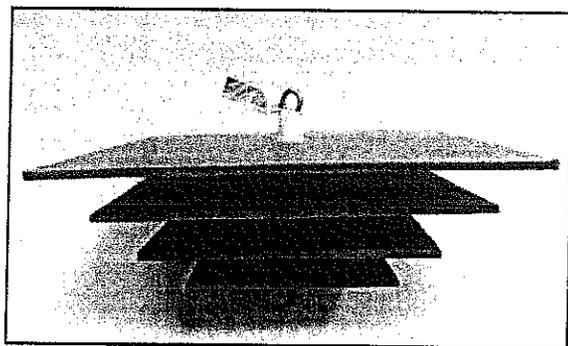
The following report summarizes activities of May 2, 2013 to June 7, 2013.

Invasive Species Management

Several trips to Lee, MA have been made in efforts to assist Dr. Kelly in the development of the study plan for the use of CO₂ to kill zebra mussel veligers before they enter the Housatonic River. The first was on May 7th where Dr. Mitch Wagener (WCSU) and I collected live veligers and observed them with a microscope we brought and set up there. The second trip occurred on June 6th when Dr. Wagener and Dr. Ed Wong and I, along with students, planned the logistics and took samples from Laurel Brook and above and below the confluence of Laurel Brook with the Housatonic River. Samples were collected and preserved and analyses on those samples will begin next week. Sampling on the reservoirs will also begin next week.

We continue to correspond with Dr. Kelly who is finishing up the study plan. We also spoke with Bill Hyatt, CT DEEP Natural Resource Bureau Chief, who has been corresponding with the MA state agencies who have indicated their willingness to help expedite permitting process for the tests.

Funds from our grant request to the Woman's Club of Danbury/New Fairfield were used to purchase materials for the zebra mussel artificial substrates. Phyllis was able to recruit some help to cut materials to needed sizes. Brookfield high school student have assembled 25 sampling devices each for Lakes Lillinonah and Zoar. Devices will also be assembled for Candlewood and given to willing volunteers. We produced instructions and data recording forms for volunteers on all lakes. A student from WCSU is going to conduct a more scientific assessment of colonization on the samplers in Lillinonah and Zoar.



In addition to the \$25,000 dollars CT DEEP committed to the Dr. Kelly study, CT DEEP has also committed another \$24,000 dollars to WCSU for continued monitoring of veligers in the

reservoirs and river and for support for the CO₂ experiments. A portion of that will be directed to the CLA as was the case this past year.

We made arrangements with Marc Bellaud who will be at our board meeting to provide an overview of herbicide treatments and harvesting. Marc is the Vice President and an aquatic biologist with Aquatic Control Technology, one of the largest companies treating for aquatic nuisance plants in New England. Marc was part of discussions in New Fairfield last August and was also provided a tour of the lake. Last August Marc provided the report on potential herbicide treatments for Candlewood Lake which I sent to board members on Thursday, June 6th. I would urge you to review it in preparation of Marc's visit.

The website for ACT is <http://www.aquaticcontroltech.com/> and should also provide some additional information.

We've begun assembling a database on owners of property below the 440 who are not FirstLight. Between properties in Atchison Cove in Sherman, the "by water only cabins" on Vaughn's Neck and those along the northern perimeter of Candlewood Isle, both in New Fairfield, 115 property owners have been identified and their information recorded. This work is being done in the event triploid grass carp are determined to be the best approach to supplementing deep drawdowns to manage Eurasian watermilfoil in Candlewood Lake.

Water Quality

Water quality on Candlewood Lake was again monitored, this time on June 5th. Measurements were taken in the field and water samples collected for analyses at a State Certified Lab. The microflora from the plankton collected on June 5th was dominated by diatoms including species of *Fragilaria*, *Tabellaria* and *Asterionella* (in order of importance). Very little cyanobacteria were observed.

I have begun discussions with the local state certified laboratory we use about the analyses cyanotoxins and phycocyanin. I've also made some preliminary inquiries on field equipment that would measure these compounds in situ.



Micrograph of the plankton community observed on June 5, 2013 in Candlewood Lake as sampled with a 10 µm mesh plankton net. Micrograph was taken on June 5, 2013.

Statistical analyses of the ~30 year water quality database with Drs. Wagener and Hamer (WCSU) will begin later in the month.

Project CLEAR

On Thursday, May 23rd we assisted in the middle school Project CLEAR program where ~125 middle school students from four school districts met at Squantz Pond State Park, along with teachers, staff from CT DEEP and staff from Education Connection participated in hands-on environmental data collections.

We are in the process of assembling the fleet and their assignments for the high school Project CLEAR field program scheduled for June 25th – 28th. Several more volunteers are still needed. Please let any family or friends that might be interested to contact me.

We have started work on the CLA's *Project CLEAR Technology Infusion*, a grant-funded project which will provide for purchase of iPads, Samsung tablets, etc. that will be used by the students collecting data during the week of June 25th – 28th. As data, photos, notes, etc. are collected they can be saved in computer file formats in the field and saved to remote data storage (Dropbox, Evernote, etc.). Funds from this grant will also make the Sherman Field Station a wireless hotspot and will also be used to utilize the same technology in the CLAMP operations.

Memorial Day Weekend

On Sunday, May 26th my family and I were honored to represent the CLA on the Patrol Boat MC-2 in the Sherman Memorial Day Parade as requested by Public Safety Co-Chair Ed Hayes.

On Monday, May 27th we assisted the New Milford Rotary with their Duck Race on the Housatonic River from 10am thru 3pm.

Interns

This summer we have three interns who will be working with us. Two of them started already and one will start the week of June 10th. We have been training them to work on a variety of projects.

Equipment

On Saturday morning, June 8th, I received a call from Patrol Chief Doug Vane who explained that the Steiger was about 50% underwater following the rainstorm that occurred the night before. I contacted our Operations Manager and both of us met at the Sherman Field Station at 10:15am. With considerable assistance from Sherman Fire Department and Highway Department staff, State Police, and CLA LPO Jeff Dunkerton, the boat was raised, pumped out and trailered to drain and dry. By mid-day, the vessel was brought to Echo Bay for an evaluation.

We learned this past month that our Patrol is no longer able to use our radar equipment to enforce speed regulations on Candlewood Lake. The kinds of equipment we have are no longer allowed. We have contacted CT DEEP Boating Division Director Eleanor Mariani to see about loaner equipment until such time we can apply for a small grant to purchase our own new technology radar equipment. We have also look for small, local grant opportunities but most of those are not accepting applications until later in the year.



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June 12, 2013
Public Education
Mark Howarth

Sponsors:

We have been working to get the word out to potential sponsors that we have two great events (Project CLEAR and the Dragon Boat Race) that they can be a part of through sponsorship.

We sent out "sponsor kits" through the mail, as well as via email. As in the past, sponsors have a number of "sponsor levels" which they can choose from if they wish to take advantage of our sponsor opportunities.

Dragon Boat Races:

Planning for the 2013 races continues.

We continue to work to market and grow this event and provide a great opportunity for people to get out and enjoy Candlewood Lake and everything it has to offer through this fun event. Teams are signing up for the August 17th event and as in past years we are planning to include entertainment at the event this year as well.

Additionally, we are now working with USA Dragon Boat to bring a clinic to Candlewood Lake the weekend of August 3 and 4. The Head Coach of the US National Dragon Boat Team is planning to come here to coach the two-day clinic, put on by USA Dragon Boat. This is a great opportunity for us to bring attention to our event and increase our exposure. This two day clinic is expected to be held in Sherman.

Merchandise:

Our new merchandise is now done and is all on our online store. We have had a positive reaction to the announcement that new items are now for sale, with steady orders coming in.

Additionally, the businesses we have partnered with to sell our items at physical locations all have the merchandise out and for sale as well.

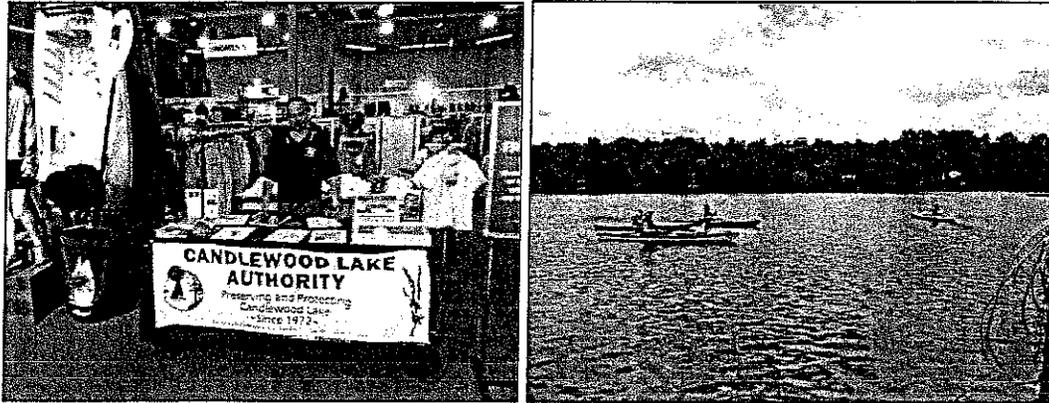
Also, the CLA has begun to distribute the 2013 Candlewood Lake magnets, which are as popular as ever.

Candlewood Update:

We continued to utilize our email marketing service sending out several emails with important information to residents in the past month.

LL Bean:

Once again the CLA was invited by LL Bean Danbury to participate in their 2nd Paddle Sports Weekend, the weekend of June 8th. We had manned a table at their prior paddle sports weekend (end of April) and we were glad to be a part of this one as well. This time, LL Bean was not only promoting their in-store paddle sports weekend (which is where we were set up with a table interacting with customers) but they also had demo's on the water for people to try out the boats before returning to the store to buy them.



Kid's Day at Brookfield Volunteer Fire Dept:

On Sunday June 2nd, the Candlewood Lake Authority Marine Patrol, and Candlewood Lake Authority, took part in Kid's Day at the Brookfield Volunteer Fire Department. It was a great event with many kids and parents coming by to learn about what we do here, and of course check out the Patrol jet skis up close and in person. This was our first year attending this event.

