

CANDLEWOOD LAKE AUTHORITY

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

Minutes of Meeting April 13, 2011

Attending:

H. Berger	Sherman
P. Schaer	Sherman
E. Hayes	Sherman
H. Mayer	New Milford
B. Kemble	New Fairfield
W. Lohan	Brookfield
E. Siergiej	Danbury
G. Dufel	Danbury

Absent:

M. Calandrino	Danbury
J. Hodge	New Fairfield
R. Stroh	New Fairfield
R. Guendelsberger	New Milford
M Toussaint	New Milford
J. Murphy	Brookfield
F. Cioffi	Brookfield

L. Marsicano, CLA Executive Director
F. Frattini, CLA Administrative Coordinator
M. Howarth, CLA Public Education Director
D. Vane, CLAMP Chief of Marine Enforcement

Recorder: F Frattini

Guests: D. Gilbert – CT Bass Federation Nation

Howie Berger, Chairman, called the regular meeting of the Candlewood Lake Authority to order at 7:32 P.M. at Brookfield Town Hall, Brookfield, CT. He welcomed the guest.

Secretary's Report: In the absence of the Secretary, Frances Frattini noted that there were no corrections to the minutes of the February 23, 2011 special meeting. Phyllis Schaer moved to accept the minutes of the February 23, 2011 special meeting as written, seconded by Bruce Kemble and voted with all in favor, minutes have been accepted.

Chairman's Report – Howie Berger, distributed the Drawdown Dashboard for this winter and reviewed the graphs. They contain good information showing projected vs. actual lake level and actual temperature, rain, snow, and river flow for the winter. Gary Dufel noted that the Utility did what they told the CLA that they would do. Ed Siergiej noted that the early snowfall could compromise the effectiveness of the drawdown. Mr. Marsicano noted that regularly during the first ten years of drawdown they did hit the target depth by mid December. He also advised that WCSU had studied the Milfoil under the snow and ice conditions. He noted that soil under ice only gets to freezing and to the kill the roots it must be below freezing. Discussion of the milfoil and drawdown continued. Mr. Berger noted that drawdown evaluation would convene gain in October.

Vice-Chairman's Report: In the absence of the Vice Chairman there was no report.

RECEIVED FOR RECORD
DANBURY TOWN CLERK

2011 APR 18 A 11:48

BY:

Treasurer's Report: Phyllis Schaer, Treasurer, noted that the reports for Income and Expenses for the months ended February 28 and March 31, 2011 had been prepared and asked if there were any questions. With none, Harold Mayer moved to accept the reports for Income and Expenses for the months ended February 28 and March 31, 2011 as presented, seconded by Bruce Kemble and voted with all in favor. Treasurer's Report has been accepted and filed for audit.

Executive Director: Larry Marsicano noted that his reports for March and April are attached to these minutes. He noted that much work has been on the Zebra Mussel Task Force of the Invasive Species Sub-Committee. Other items were Milfoil research, Technical committee review of the Nuisance Plant Monitoring Report, the weevil project, the New Fairfield Senior Environmental Corps and their Project WET (Water Education for Teachers) training that they will be bring to the 3rd, 4th and 5th grades at New Fairfield Schools. WCSU students will grow weevils and monitor both for weevils and zebra mussels.

Public Awareness: In the absence of the Committee Chairman there was no report.

Public Education Director: Mark Howarth noted his reports are attached hereto. He also has been very involved in the Zebra Mussel Task Force, he announced the dates for the Clean Up – May 21 and Dragon Boat Races August 20th. The event sponsor packets should be back from the printer next week and will go out shortly thereafter.

Equipment/Facilities: Ed Siergiej, Committee Chairman reported that preparations for the season are under way. The workboat is in the water and buoys are being deployed. He noted that as no new buoys were purchased last year and the supply of spares is being depleted that his committee would need money to purchase buoys this year. After some discussion, Ed Siergiej moved that the delegates approve an allocation not to exceed twenty five hundred (\$2500.00) dollars to purchase eight hazard/speed buoys, seconded by Ed Hayes. Voted with all in favor.

Public Safety: In the absence of the Committee Chair, Chief Vane reported that the hiring process had not gone very well with only four applicants interviewed and one who withdrew leaving only 3 possible new officers. The application packet was reworked and given to three more officers who will be interviewed soon. Training is scheduled for May 7 and 14. He advised that the reason for the lack of response from the POST certified officers was the pay rate and they can get more than double on a road job. He announced that Bob Spielman will be the Deputy Chief. Also the Public Safety Committee chose the date of May 6th for the patrol dinner that was postponed from last fall. Mr. Marsicano asked if there was any discussion of the special constable issue – nothing yet. Chief Vane also noted that they may need more uniform shirts and new hats. He will have to speak to the committee chair, as the uniform line does not have any funds left. Mr. Berger noted that there should be some media announcements on the new BUI enforcement.

Watershed Management: Harold Mayer reported that he had spoken to the NU representative that he had met with last fall who advised him that he could tell the delegates "I and my people are working to come up with a plan to keep our (Northeast Utilities) land on Candlewood Lake as Open Space".

Invasive Species Sub Committee: Mrs. Schaer reported that the Zebra Mussel Task Force is an ongoing partnership of the CLA, DEP, CT Bass Federation, Lake Lillinonah and Zoar Authorities, Friends of the Lake (Lillinonah), FirstLight Power, Marinas, WCSU, Lake residents and more. They have had four meeting and have come up with a plan and information packets to

educate the public. The consensus is that the best method of control is boater education. A universally adopted theme is "Clean, Drain and Dry". Discussion followed. It was noted that they will be asking FirstLight if they could refrain from pumping up during the spawning stage after the river reaches 54 degrees – discussion was no one knew if this was feasible but would ask FirstLight. Discussion continued. The DEP's Invasive Investigator training was held last weekend and will be held again later this month (April 30th). Volunteers will be at the ramps inspecting vessels before launching. Mr. Howarth showed signage for the ramps and pamphlets that will be distributed to area marinas, fish and tackle shops, Town Halls, etc. A packet of information was distributed to delegates and discussed. Delegates were also provided a pack of tri-fold brochures and asked to display them at their respective Town or City Hall. Members of the Task Force will be available to attend Local Lake Community meetings to distribute materials and speak on the subject.

Mr. Berger advised that a local resident that the CLA has supported in his endeavors was a member of the Task Force who because of his negative approach to all that has been accomplished was asked to leave the Task Force and because of that the Authority has cut off support and funding for any of his activities. It was also noted that this is not just a Candlewood problem it is a national issue. Mr. Marsicano noted that Mrs. Schaer has put many hours of work into this; Mrs. Schaer noted that the Task Force has done an admirable job. Focus is on what can be done here and now.

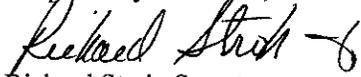
Old/New Business: Mr. Berger noted that the CLA will be looking for P/R person or firm and asked the delegates for any recommendations.

Mr. Marsicano noted that he had received correspondence from Millie Loeb of the Sherman Library regarding the One Book One Lake Program. We've been asked to consider having a table at a June 26th event where Susan Murphy and Gary Smolen will be presenting their Images of America book: Candlewood Lake.

Bill Lohan commented that he had heard that the CLA is not doing enough regarding the Zebra Mussel problem and its effect on property values. Mr. Howarth responded that he had contacted realtors who advised that Zebra Mussels have not impacted lakefront property values. Mr. Dufel added that he had spoken to some from upstate NY who advised that milfoil has more of an impact on property values than Zebra Mussels.

With no further business to come before the Candlewood Lake Authority, Bruce Kemble moved to adjourn, seconded by Ed Siergiej. Meeting adjourned at 9:18 P. M.

Respectfully submitted,



Richard Stroh, Secretary
Frances Frattini, Administrative Coordinator

r/bljm



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Executive Director's Report April 7, 2011 Larry Marsicano

The following report summarizes activities March 7, 2011 to April 7, 2011.

INVASIVE SPECIES SUBCOMMITTEE / ZEBRA MUSSELS

Much of our time has been dedicated to Zebra Mussel Task Force work. The draft report with findings and recommendations was further revised after additional Task Force comments and posted on our website as a draft for the public to review. Two public forums were scheduled: one at the Southbury Town Hall on April 4th and the other at WCSU on April 6th. Press releases were developed on the efforts of the Task Force, the draft report, and an upcoming Invasive Investigator training session and circulated to the various media outlets. A Power Point presentation was developed, reviewed by the Task Force, and revised (which required additional time by Phyllis and me on Sunday, April 3rd). That presentation was given at both public forums which ran from approximately 7 to 9:15 PM on both nights. Attendance was relatively low (<40 for each night).

A small faction of citizens have waged a negative campaign in opposition of the efforts of the Task Force and presumably the CLA (e.g. "*Foxwoods Comes to Candlewood Lake*", "*There is no entity that crosses town borders committed to advancing the Lake's well-being and protecting the related interests of its residents*" etc.). This has been done via letters to the editor, emails to community leaders, and a Facebook website – Candlewood Lake United. We have responded to some of the criticism with a letter to the editor of our own. We also met with the Executive Board of the Candlewood Point Association on the evening of March 14th to address erroneous comments send via email to many communities.

One of the Task Force recommendation included supporting the CT DEP's Invasive Investigator program where citizens are taught how to provide volunteer inspections of watercraft for aquatic invasive species at municipal or community boat ramps. We coordinated a training event for Saturday, April 9th from 9:30 AM until noon.

MILFOIL/DRAWDOWN RESEARCH

On March 10th, Alberto Mimo and I met with Dr. George Knoecklein who is conducting a study on drawdowns for the Town of New Fairfield. Dr. Knoecklein was very interested in much of the data that has been collected by those involved in Project CLEAR. He is also interested in the data to be collected in the upcoming season, as well as the data collected by the CLA in our lake water quality monitoring program. We will continue to facilitate Dr. Knoecklein's research as best we can.

As noted in last month's report, FirstLight scheduled a meeting of the Technical Committee for March 14th to review and comment on the 2010 report on the mapping of milfoil in Candlewood, Lillinonah and Zoar. We attended and were able to provide written comments (attached), which should soon become part of the FERC record. Part of those comments included a request for lake level data for the past year. FirstLight has since provided that data.

EDUCATION / PROJECT CLEAR

In the past I have reported on efforts to plan and coordinate training for the New Fairfield Senior Environmental Corps in Project WET (Water Education for Teachers) so they could provide lake/water related education at the elementary grades. Resultantly, on March 18th I joined for part of the day a group of seniors at the Kellogg Environmental Center in Derby, CT where they received their training from CT DEP staff. On Monday, March 21st, NF Senior Center Director Kathy Hull and I met with NF Superintendant Alicia Roy and Meeting House Hill School Principal Susan Quincy to discuss opportunities for the seniors to share their new training with teachers and students in grades 3, 4, & 5. They were very supportive and happy to provide the opportunities to the Seniors.

The expenses associated with the training and educational materials were funded through a grant the CLA applied for from the Woman's Club of Danbury / New Fairfield and a contribution from the Ball Pond Advisory Commission.

SHORELINE RESTORATION MANUAL

In December I reported that I was participating in a Statewide Task Force to develop a manual of guidelines for shoreline / seawall restorations. Participation included reviewing responses to an RFQ from nine consulting firms and conference calls with other members of the Task Force. On March 17th, several of the Task Force members, including me, met at the CT DEP offices in Hartford to interview representatives from the top four firms as selected by the Task Force. All firms were aware of the issues pertaining to shoreline disturbance and their impacts on lakes. A firm has been selected.

PROJECT CLEAR

On March 23rd I met with Sylvia Nedelcov, who is a new Project CLEAR teacher who I will co-lead the plankton group's research. Our meeting was to discuss lesson plans for the first classroom day that occurred on Friday, April 1st. Prior to that meeting I prepared a presentation for the entire CLEAR group, as well as a separate presentation which was used with the plankton research students. The next classroom day at WCSU is scheduled for Friday, April 29th.

OTHER

On March 11th, Mark and I met with Michael Calandrino, a CLA Delegate from Danbury, who has been unable to make our meetings due to health reasons. We discussed with Mr. Calandrino a project he could undertake to assist efforts of the Zebra Mussel Task Force. We also discussed his background and interests.

I was invited and participated on March 15th in a panel discussion with Dr. Chris Kukk, Dr. Mitch Wagener and WCSU students on water related issues. The panel discussion was part of the Dr. Jane Goodall Roots and Shoots World Water Week.



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March 15, 2011

Mr. Robert Stira
FirstLight Power Resources
20 Church Street
Hartford, CT

Dear Mr. Stira:

The annual mapping of invasive plants in Candlewood Lake Below continues to provide those involved in the management of the lake, the resident lake community, and all users of Candlewood Lake important data and greatly aids in our understanding of issues associated with Eurasian watermilfoil. Below is a list of the comments on the draft Invasive Aquatic Plants report for the 2010 season.

Comments specific to the draft report:

1. Page 4, second paragraph:

The last sentence may unintentionally imply that *M. spicatum* is managed successfully. We recommend, "*Winter drawdown and occasional harvesting is used in attempts to manage M. spicatum in Candlewood Lake.*"

It could also be noted that there has been experimentation at Candlewood with the milfoil weevil, which CLA, CAES, WCSU, and FirstLight have been involved in.

2. Page 5, top of page:

Similar to #1 above, "*Actively controlled*" implies successful management. Is that the case, and if not, should it be reworded?

3. Page 7, first paragraph and after:

The total area, number of patches, and area of largest patches of watermilfoil is reported. Also reported are obvious areas of harvesting. This could potentially result in an underestimation of the 2010 total area. This raises an important question – Was the harvesting at Candlewood more prevalent in 2010 than in past years? If yes, then there should be a sentence as to that observation.

It was reported that the largest patch occurred in Echo Bay rather than at Danbury Bay, which is usually where the largest patch is observed. Patch size for Echo Bay was reported for 2009 and 2010, but only the 2009 patch size is reported for

Danbury Bay. A few sentences addressing some of the following questions are suggested:

- What was the Danbury Bay patch size in 2010?
- Was the Echo Bay patch the second largest in past years?

Understanding patch size at these sites has value for several reasons. First, by understanding the year to year differences of the Danbury patch, we may better understand the amount of harvesting being performed. Secondly, it appears that the Echo and Danbury patches are collectively occupying a significant percent of the total milfoil area and, therefore, source of fragments.

4. Page 10, top of page and last paragraph:

At the top of the page it refers to “*effective deep drawdown*” and in the bottom paragraph it discusses differences in drawdown practices and sediment exposure time per the CLA’s (Marsicano) 2009 report. In that 2009 report and in the CLA’s October 2010 Special Issue Electronic Newsletter, we’ve attempted to define “*effective deep drawdowns*”. For the purposes of this report it may be helpful in a couple of sentences to better define “*effective deep drawdown*” and include parameters of depth, duration and timing of deep drawdown.

5. Page 12, Figures 5 and 6:

The frequency charts (Figure 5 and 6) are a bit confusing, e.g. the sum of frequencies of native species, *M. spicatum*, *N. minor*, and *P. crispus* in Figure 4 exceeds the frequency of any species for any year. Some explanation in the figure legends for Figures 5 and 6 would be helpful.

6. Page 14, first paragraph:

A discrepancy in area of littoral zone is noted in Footnote 1. Can this be explained some?

7. Page 16, top of page:

For clarification replace “*Therefore, although a deeper drawdown...*” with “*Therefore, although a 15-foot drawdown...*” Some additional clarification is necessary for “*little benefits would be gained...exposed per foot of drawdown.*”

8. Page 26, Table 5:

Do these data include areas of milfoil and other aquatic vegetation that were treated?

9. Page 28, last sentence:

Winter drawdown should be clarified as *biennial winter drawdown*.

10. Page 40, Table 10 and bottom of page:

The differences in conductivity of the separate impoundments are interesting. Alkalinity data seems to be high. Our alkalinity data is provided below.

11. Page 44, top of page:

It should be clarified that the simple visual band aerial imagery can be a useful supplement in the surveillance of certain invasive aquatic plants.

12. Page 44, Conclusions:

In the conclusions the amount of milfoil in Candlewood is related to depth and duration of the previous winter drawdown. It would also be beneficial to revisit "effective deep drawdowns" particularly in light of local discussions of annual vs. biennial deep drawdowns. Effective deep drawdowns characteristics include appropriate target depth, target depth date, and duration.

General comments:

1. Weed Removal Registration program / Supplementing mapping data

If substantial harvesting takes place as noted in the report and during our meeting, then it can bias the mapping data collected. It is possible to supplement the weed mapping data by contacting and collecting information from the weed harvesting service providers and requesting estimates of acres of weeds harvested.

Last year the CLA offered to develop a weed management registration program, which would alleviate gaps in weed mapping data and help ensure that weed removal was being done properly. FirstLight responded by saying it should be responsible for the development and administration of this program since the contractors are performing services on FirstLight property. Will FirstLight be administering a weed harvesting registration program this season?

2. Trends in two year blocks

There are a number of areas in the draft report where data relative to the milfoil and other aquatic plants are compared on a year to year basis. In the future we would suggest looking at the data in two year blocks (deep drawdown year / alternate drawdown year) as well.

One of the important questions the Technical Committee involved in the milfoil and drawdown issues at Candlewood has discussed is whether the current biennial deep drawdown program will provide adequate control or should an annual program be considered. Historically, the biennial deep drawdown was capable of adequate control over a two year period. In recent years the control in the alternate year had decreased. This is arguably due, in part, to the kinds of deep drawdowns performed in the first year of the two year block.

Examples of data where a two year block perspective may be useful:

- Total area frequency of occurrence of *M. spicatum* and other species (pg. 7)
- Depth preferences of invasive plants (Fig. 1 and bottom of pg. 10)
- Biodiversity and frequencies of occurrence of *M. spicatum* and other species (pg. 13)

- Percent coverage of the littoral zone (pg. 14)

It is certain that there will be other variables to consider (e.g. lake elevation during mapping, climate, etc.). Nonetheless, it will be important to look at control of *M. spicatum* over a two year period to adequately assess the biennial program.

As discussed later, the 2007 drawdown had the potential to be more effective than the 2009 drawdown due to the drawdown length. Figure 1 seems to bear this out, particularly if weeds removed via harvesting in 2010 are factored back in.

3. Deep drawdown target depth, date and duration:

In several areas the draft report compares the duration of deep drawdowns, e.g. 4 weeks in 2009 vs. 8 weeks in 2007 (pg. 13). We strongly believe that the time of the deep drawdown is also important. Early on in the biennial program (~1985 – 1995), it was common for the target depth to be reached in mid December during a deep drawdown year. Since that time, the timing has been quite variable with some target depths not reached until mid January. This increases the potential for ice formation and snow cover to occur before reaching the target depth, which in turn insulates the would be exposed milfoil from the winter elements. Work of Western Connecticut State University and the Connecticut Agricultural Experiment Station is improving our understanding of what winter soil conditions are necessary to kill the roots of *M. spicatum* and how frequent and when those conditions actually occur on the exposed lakebed.

If the hypotheses prove true, then it may be possible to improve the effectiveness of the deep drawdown by setting the target date back to mid December. This might improve effectiveness on a yearly and biennial basis. But it will also be important to understand how a proposed modification might impact the operations and profitability of FirstLight's hydroelectric facilities along the Housatonic River. We will be looking to FirstLight to provide those insights in the future.

4. Overlay Analyses

The GIS analyses of Eurasian watermilfoil in Candlewood since 2007 has provided very useful. In future studies some overlay analyses of milfoil coverage may prove valuable. This analysis could begin to show, for example, what areas seem to be less affected by deep drawdowns regardless whether they are "effective" or not. This may then lead to discussions of other treatment methods for those specific areas.

5. Lake Level and Temperature Data Request

FirstLight Power and predecessors have historically provided lake level data in Excel file format. The last data provided was up through June 30, 2010. We are requesting lake level data for Candlewood Lake since that date.

6. Zebra mussels

In the development of the Nuisance Plant Monitoring Plan we raised the issue of the potential invasion of zebra mussels and asked for those considerations within the Plan. FERC responded with:

Staff recommends not adding zebra mussels to the plan now, but having the TAC discuss this possibility at the first technical advisory committee meeting and including the meeting minutes from that discussion in the first annual monitoring report to be filed with the Commission. The Commission should reserve the right to add changes to the plan at a later date to add zebra mussels if necessary.¹

Zebra mussels were found in Lakes Lillinonah and Zoar and imminently threaten Candlewood Lake. The CLA has developed a Task Force to develop a response plan for all three impoundments; FirstLight Power is a member of the Task Force. However, it will be important for the Technical Committee to discuss additional roles and assistance that may be required in meeting the challenges associated with zebra mussels.

We look forward to continued collaborations on our aquatic invasive species challenges at Candlewood Lake.

Sincerely,

CANDLEWOOD LAKE AUTHORITY



Larry Marsicano
Executive Director

¹ See ORDER MODIFYING AND APPROVING NUISANCE PLANT MONITORING PLAN PURSUANT TO ARTICLE 409 under P-2576. (FERC Issuance No. 20060203-3011, February 3, 2006) at p. 7.

Candlewood Lake Alkalinity Data 2005 - 2010					
Year	Danbury	New Fairfield	New Milford	Sherman	Squantz
2005					
May 31	50.0	52.0	60.0	50.0	28.0
July 26	50.0	58.0	68.0	54.0	32.0
September 29	56.0	58.0	60.0	54.0	52.0
2006					
May 31	52.0	54.0	58.0	56.0	22.0
July 26	54.0	44.0	60.0	52.0	26.0
August 21	54.0	54.0	72.0	52.0	28.0
2007					
May 30	58.0	56.0	72.0	54.0	28.0
June 26	52.0	58.0	50.0	58.0	30.0
September 18	62.0	64.0	76.0	60.0	38.0
2008					
April 16	48.0	50.0	52.0	48.0	—
July 28	60.0	58.0	76.0	58.0	30.0
September 26	52.0	58.0	60.0	56.0	28.0
October 17	58.0	56.0	64.0	58.0	32.0
2009					
June 2	70.0	64.0	70.0	60.0	30.0
August 21	52.0	56.0	54.0	56.0	32.0
September 24	58.0	52.0	58.0	62.0	30.0
October 21	58.0	58.0	64.0	56.0	28.0
2010					
May 27	56.0	54.0	76.0	56.0	30.0
July 28	108.0	106.0	130.0	106.0	62.0
September 10	70.0	72.0	74.0	66.0	38.0



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April 13, 2011
Public Education
Mark Howarth

Zebra Mussels:

Public Seminars:

The Zebra Mussel Task Force of the Invasive Species Subcommittee of the Watershed Committee hosted two public information sessions on their draft recommendations to prevent the spread of zebra mussels. The first session was held on April 4th at the Southbury Town Hall and was attended primarily by members of the Lake Lillinonah and Lake Zoar communities. The second session was held at Western Connecticut State University on April 6th and was attended primarily by members of the Candlewood Lake Community. Both sessions were also attended by many members of the Task Force, who were available to help answer questions posed by the public, after the presentations of the Task Force draft recommendations made by CLA staff.

Brochure:

We designed and printed a brochure for distribution to the public. This tri-fold will be used as an educational tool to help the public understand what they can do to prevent the spread of zebra mussels to Candlewood Lake. It will be distributed to area businesses (tackle shops, marinas etc.) as well as places like libraries, town halls etc. It will be part of the information packet we distribute to our lake communities as well. This brochure will also be made available (with a slightly different message) for Zoar and Lillinonah to have printed up for their use and distribution. (images at end of report).

Signs:

We have created the graphics for two signs that the DEP will print for us. These signs, one designed for Candlewood the others will be for Lillinonah and Zoar, are going to be located primarily at lake community ramps, marinas etc. A larger sign with additional information has been designed and is planned for installation at Candlewood's municipal ramps. The DEP will be installing their own signage at the State ramps on all three lakes. (draft images at end of report).

Invasive Investigators:

The DEP held its first training for their new Invasive Investigator volunteer ramp monitoring program. The CLA hosted the first training program at the New Milford Police Department on Saturday April 9th, from 9:30 to

noon. Wendy Flynn and Eleanor Mariani from the DEP were on site on Saturday to run the training and 25 volunteers (including three CLA representatives) were present. It was a successful morning and we are planning a 2nd training program, tentatively set for April 30th.

March Electronic Newsletter:

We put out another electronic newsletter in March. Some of the topics covered were the Zebra Mussel Task Force, Invasive Investigator training, NF Senior Center Environment Corps and the announcement of events: Clean Up, Project CLEAR and the Dragon Boat Races.

Event Sponsors:

The CLA is printing and will be mailing and distributing our dual event sponsor tri folds - for the Clean Up (scheduled for May 21st) and the Dragon Boat Races (scheduled for August 20th). We hope to have these available for distribution by Monday the 18th and we will be looking to engage additional corporate sponsors for these two great events. We are also planning to distribute an electronic one-page format of our event sponsor opportunities through various channels (images at end of report)

THE LARGER PICTURE: PREVENTING ALL INVASIVES

Invasive species are a threat to a lake and its ecosystem because they are not native to the area. Their introduction to a lake, such as Candlewood, often means that because the local environment doesn't have natural predators to control the reproduction and spread of this nonnative species, they can quickly over-run an ecosystem and out-compete the native species. We've been battling invasive Eurasian watermilfoil for decades, please help prevent the introduction of new invasive plant and animal species into Candlewood Lake.



GET INVOLVED REPORT SIGHTINGS

If you believe you have spotted zebra mussels in Candlewood Lake, contact the Candlewood Lake Authority.

If you would like to volunteer to help with the effort against the spread of zebra mussels, please contact the Candlewood Lake Authority at 860-354-6928.

If you witness boaters knowingly launching zebra mussel infected boats in Candlewood Lake, please contact DEP Dispatch at (860) 424-3333.



LAKE AUTHORITY

*Dedicated to Public Safety & Preserving
and Protecting Candlewood Lake*

Mission Statement

The Candlewood Lake Authority provides lake, shoreline and watershed management to foster the preservation and enhancement of recreational, economic, scenic, public safety and environmental values of the Lake for the City of Danbury and the Towns of Brookfield, New Fairfield, New Milford and Sherman in cooperation with the State of Connecticut and Northeast Utilities.

Candlewood Lake Authority
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email: clainfo@earthlink.net
www.candlewoodlakeauthority.org

Zebra Mussel Alert!

HAS YOUR BOAT
BEEN ON
ANOTHER LAKE?

Important Steps To
Prevent Zebra Mussels
From Infecting
Candlewood Lake

Brought to you by the
Candlewood Lake Authority

THE DANGER



0 Boat, Property & Environmental Damage: In the right conditions, zebra mussels have the ability to rapidly reproduce and do extensive damage to a lake's ecosystem, property on a lake and to a boat engine's cooling system.

0 Razor Sharp: Adult zebra mussels have very sharp shell edges and may blanket solid surfaces including docks, rocks on the lake bed and boat hulls.

0 Unknowingly Transported by Boaters: Most lakes become infested with zebra mussels because humans bring boats from infested waters, to uninfested waters.

0 Here Today, Here Tomorrow: There is no known effective method to completely eliminate zebra mussels if Candlewood becomes infested.

Photo: zebra mussels on a native mussel, courtesy Biodiversity

WE MUST PROTECT CANDLEWOOD LAKE

If you have been to an infested body of water (listed below) PLEASE follow these critical decontamination procedures.

1) **CLEAN** all visible plant, fish and animals as well as mud or other debris from your trailer, tow vehicle and boat **before leaving** any lake's boat launch.

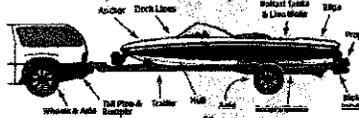
2) **DRAIN** all water from every space and item that may hold water including bilges, ballast tanks, live wells, engine cooling systems, etc. away from any waterway.

3) **DRY** all equipment for at least one week (hot/dry weather) and four weeks (cool/wet weather) before entering Candlewood.

* If proper drying is not possible, wash with hot water (preferably high pressure) or soak in 1% salt solution for 24 hrs (2/3 cup salt per 5 gal. water) or 100% vinegar for 20 minutes.

Before Leaving & Before Launching...

Inspect Everything!



For more info visit www.candlewoodlakeauthority.org

Candlewood Boaters Who Are Unable To Follow These Procedures Should Avoid Infested Waters

Nearby Known Zebra Mussel Infested Waters

Connecticut: Lake Lillinonah • Lake Zoar • East Twin Lake • West Twin Lake
New York: Hudson River • Finger Lakes • Lake George • Lake Champlain • Mohawk River
Massachusetts: Laurel Lake Vermont: Ballston Lake • Lake Bomoseen Pennsylvania: Susquehanna River

IDENTIFICATION



Photo: adult zebra mussel (next to scale), courtesy Biodiversity

As Young

- 0 Too small to see with the naked eye.
- 0 Float freely in the water column.
- 0 Easily and often unknowingly transported by humans.

As Adults

- 0 Characterized by "zebra striping" on their shells.
- 0 Attach to any solid surface (including boats or aquatic plants) starting when as small as a grain of sand.
- 0 Fully grown, may be the size of your fingernail.

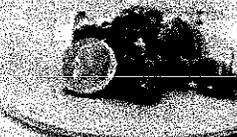


Photo: adult zebra mussels next to a dime, courtesy CA Dept. Fish and Game

Zebra Mussel ALERT!

Has your boat been on another body of water?

DO NOT LAUNCH YOUR BOAT if you have been in any known infested waters and have not taken the precautions at the bottom of this sign.

Nearby Known Zebra Mussel Infested Waters in CT, MA & NY
Lake Lillinonah • Lake Zoar • East and West Twin Lakes • Laurel Lake
Finger Lakes • Lake George • Lake Champlain • Hudson River

Zebra Mussels Do Damage By...

- Clogging Water Intakes
- Fouling Boat Hulls & Engines
- Altering a Lake's Ecosystem



Photo: boat launched with zebra mussels. Photo: National Science Foundation



Photo: zebra mussels next to a dime. Photo: CA Dept. Fish & Game

- Adults ▶ Approx. size of dime ▶ Attach to solid surfaces
- Young ▶ Size of grain of sand ▶ Boat hull may feel gritty
- Larvae ▶ Microscopic in size ▶ Float freely in water

What To Do Before Launching Here

1. **CLEAN** all visible plants, fish and animals as well as mud or other debris from your trailer or boat before leaving any lake's launch.
2. **DRAIN** all water from every space and item that may hold water.
3. **DRY** equipment for at least one week (hot/dry weather) and four weeks (cool/wet weather) before entering other waters.
* If drying is not possible, wash with hot water (high pressure preferred) or soak in 1% salt solution (2/3 cup salt per 5 gal. water) for 24 hrs or 100% vinegar for 20 minutes.

Inspect Everything!

Always CLEAN and DRAIN all equipment before leaving any other lake's boat launch to avoid transporting zebra mussels to Candlewood Lake.



For more information or sightings, contact the Candlewood Lake Authority at 860-354-6928 or visit www.candlewoodlakeauthority.org - or Department of Environmental Protection Boating Division at 860-414-8628



Zebra Mussel ALERT!

Zebra Mussels Have Been Found In These Waters

Waters Known To Contain Zebra Mussels in CT, MA & NY
Lake Lillinonah • Lake Zoar • East and West Twin Lakes • Laurel Lake
Finger Lakes • Lake George • Lake Champlain • Hudson River

Zebra Mussels Do Damage By...

- Clogging Water Intakes
- Fouling Boat Hulls & Engines
- Altering a Lake's Ecosystem



Photo: boat launched with zebra mussels. Photo: National Science Foundation



Photo: zebra mussels next to a dime. Photo: CA Dept. Fish & Game

- Adults ▶ Approx. size of dime ▶ Attach to solid surfaces
- Young ▶ Size of grain of sand ▶ Boat hull may feel gritty
- Larvae ▶ Microscopic in size ▶ Float freely in water

What To Do Before Leaving This Launch

CLEAN

DRAIN

DRY

* If drying is not possible, wash with hot water (high pressure preferred) or soak in 1% salt solution (2/3 cup salt per 5 gal. water) for 24 hrs or 100% vinegar for 20 minutes.

Inspect Everything!

Always CLEAN and DRAIN all equipment before leaving this or any infested lake's boat launch to avoid transporting zebra mussels to uninfested lakes.



For more information or sightings, contact the Lake Lillinonah Authority at 203-264-4002 or visit www.lakelillinonahauthority.org - or Department of Environmental Protection Boating Division at 860-414-8628



ZEBRA MUSSEL ALERT

Invasive zebra mussels may **damage your boat and negatively impact Candlewood Lake** if they enter these waters...and you may unknowingly be the one to introduce them.

Please do not launch your boat in Candlewood Lake if you have been in known infested waters recently and have not already taken the below precautions.

The Danger	What You Should Do	Identification
<p>Boat, Property and Environmental Damage: Zebra mussels have the ability to rapidly reproduce and do extensive damage to a lake's ecosystem, property on a lake and to a boat engine's cooling system.</p> <p>Razor Sharp: Zebra mussels have very sharp shell edges and attach to and bore into surfaces including docks, rocks on the lake bed and boat hulls.</p> <p>Unknowingly Transported by Boaters: Most lakes become infested with zebra mussels because humans bring boats from infested waters to uninfested waters.</p> <p>How Today, Here Tomorrow: There is no known effective method to completely eliminate zebra mussels if Candlewood becomes infested.</p> 	<p>Please clean your boat, tow vehicle and trailer AWAY from Candlewood Lake if you have been in infested waters</p> <ol style="list-style-type: none"> CLEAN - Remove all plants, fish and animals as well as mud or other debris from your trailer, boat or tow vehicle before leaving any lake's launch. DRAIN - Drain all water from every space and item that may hold water, including live wells, ballast systems, bilges & engine cooling water. DRY - Allow your boat and equipment to dry for at least one week (hot/dry weather) and four weeks (cool/wet weather) before entering other waters. If drying is not possible, wash with hot water (high pressure preferred) or soak in 1% salt solution (23 cups per 5 gal. water) for 24 hrs. or 100% vinegar for 20 minutes. <p><i>Before Launching & Before Launching... Inspect Everything!</i></p> 	<p>Larvae</p> <ul style="list-style-type: none"> Too small to see with the naked eye. Float freely in the water column. Easily and unknowingly transported by humans. <p>Young</p> <ul style="list-style-type: none"> Size of a grain of sand. Boat hull may feel gritty. <p>Adults</p> <ul style="list-style-type: none"> Fully grown, may be the size of your fingernail. Characterized by "zebra striping" on their shells. Attach to any solid surface including boats or aquatic plants.  <p>If you had zebra mussels at the time information, please contact the Candlewood Lake Authority: 860-354-6928 or visit www.candlewoodlakeauthority.org or contact DEP Boating Division at 860-424-2666</p>

Nearby Known Zebra Mussel Infested Waters

- If you have been in the below waters recently and have not already taken the above precautions, PLEASE DO NOT launch your boat in Candlewood Lake
- Connecticut:** Lake Lillinonah • Lake Zoar • East Twin Lake • West Twin Lake
New York: Hudson River • Lake George • Lake Champlain • Finger Lakes • Mohawk River
Pennsylvania: Susquehanna River
Vermont: Ballston Lake • Lake Bomoseen
Massachusetts: Laurel Lake • Upper Housatonic River

The Candlewood Lake Authority is committed to the protection and preservation of Candlewood Lake and its environment, recreational public safety and scenic values.

Your support through the sponsorship of these great events will directly benefit the Lake and help us to improve, preserve and protect Candlewood for future generations to enjoy as we do today.

Sponsor Form

Company: _____

Address: _____ (Street)

_____, _____ (City) _____ (State) _____ (Zip)

Contact Name: _____

Phone: _____

Email: _____

Sponsor Level: (check one)

Platinum - \$2,500

Gold - \$1,000

Silver - \$500

Bronze - \$250

Sponsor benefits listed on back!

Please enclose payment with this form. Checks may be made payable to the Candlewood Lake Authority PO Box 37 Sherman, CT 06784. To pay by credit card, please call the Candlewood Lake Authority at 860-354-6928.

If you are interested in becoming the Title Sponsor and receiving all of the benefits associated with title sponsorship of these popular events, please contact the CLA at 860-354-6928 or dainfo@earthlink.net.

Donations to the Candlewood Lake Authority are tax deductible to the fullest extent allowed by law.

Sponsor TWO great events, with just ONE convenient donation!

With your single sponsorship, you get the great benefits listed for both events at the indicated sponsor levels on the chart below.

2011 FIRE MARSHALERS CANDLEWOOD LAKE CLEANUP		CANDLEWOOD LAKE DRAGON BOAT RACE	
John Marston Memorial Candlewood Lake Cleanup			
Company Logo on Event T-Shirts			
Company Name on Event T-Shirts			
Company Logo on Event Banner			
Recognition in Advertisements			
Logo, Link and Sponsor Level on Event Website			
Name, Link and Sponsor Level on Event Website			
Logo and Sponsor Level in Event e-Newsletter			
Name and Sponsor Level in Event e-Newsletter			
Event Video Recognition			
Candlewood Lake Dragon Boat Race			
Company Logo on Event T-Shirts			
Company Name on Event T-Shirts			
Company Logo on Event Banner			
Recognition in Advertisements			
Discount on Dragon Boat Team Race Entry			
Logo, Link and Sponsor Level on Event Website			
Name, Link and Sponsor Level on Event Website			
Logo and Sponsor Level in Event e-Newsletter			
Name and Sponsor Level in Event e-Newsletter			
Company Logo on Event Signage			
Company Logo on Race Results Board			
Opportunity to Provide Company Banner at Event			
Recognition as Event Sponsor by Event MC			
Event Video Recognition			

CANDLEWOOD LAKE AUTHORITY

Summer Memories Begin and End with Candlewood Lake!



2011 EVENTS

Two Candlewood Lake Events!

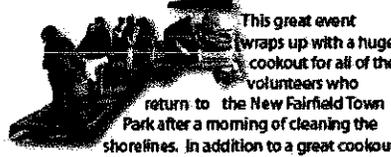
Get your company name in front of thousands from the Candlewood Lake area and surrounding towns with one single sponsorship!

2011 JOHN MARSICANO MEMORIAL CANDLEWOOD LAKE CLEANUP

The John Marsicano Memorial Candlewood Lake Clean Up is entering its 12th year. It has become a tradition here on Candlewood Lake to kick off the summer season with this great event that benefits the Lake and everyone who enjoys it throughout the summer.



Each May, several hundred volunteers and dozens of boats unite forces to scour the shorelines of Candlewood Lake, collecting literally tons of garbage that has accumulated from the previous season. Every year, we fill a huge 30-yard dumpster (and then some!) with trash left along the Lake's shores.



This great event wraps up with a huge cookout for all of the volunteers who return to the New Fairfield Town Park after a morning of cleaning the shorelines. In addition to a great cookout donated by area restaurants, participants also receive their much anticipated Clean Up t-shirts.



THE ANNUAL CANDLEWOOD LAKE DRAGON BOAT RACE

August 28, 2011

Once again, the beautiful shores of Lynn Deming Park will be host to a great day of competition - a unique event that brings families, friends and coworkers together through the amazing sport of dragon boat racing.

WELCOME TO DRAGON BOATING: In 2009, the Candlewood Lake Dragon Boat Race was born. That year, we set out to introduce the area to the concept of dragon boating and the event attracted eight amateur, 21-person teams from the Candlewood area to show their competitive spirit.

EVENT GROWTH: Apparently word got out about how much fun it was, because in 2010 the event doubled in size - attracting nearly 350 competitors, making up a field of 16 teams in addition to numerous spectators who came out to see the competition! Lynn Deming Park and the Candlewood waters there are an ideal dragon boating location and to say that we're excited for 2011 is an understatement. We are anticipating even more growth this year...and a festival that is positioned to be a premier area event in 2011!

WHAT MAKES THIS SO POPULAR:

This thrilling sport is based on teamwork, where paddling together breeds success more so than pure strength or athleticism. Anyone can participate regardless of ability. Friends, families, coworkers and others join together to form their dragon boat teams and the festive atmosphere of the day, shared by participants and spectators alike, makes for a truly memorable event.

CORPORATE TEAM BUILDING: Dragon boating is an excellent corporate team building activity and also a great way to reward employees with a fun day of bonding outside of the office environment, doing something they've likely never done before and will never forget! Enter your company, your employees, your team in the 2011 races!

