



4th of July Boat Parade Winner
1st place – Tank Boat (Stephen Schur)

GEIA Meets With Selectmen

At the February 14, 2017, **Board of Selectmen** meeting, the **GEIA** sought support for the March 2018 renewal of the **Order Of Conditions** for the drawdown of **Glen Echo Lake** to increase from 4' to 8' to reduce the amount of chemical herbicides used to control invasive weed species. **Rob Lemansky** presented the **\$131,000.00** premium in added tax revenues that come from quality waterfront lots that surround Glen Echo Lake, as incentive for the town to support our request for an 8' drawdown. He cited the **Brookfield's Lake Lashaway's** success in restoring quality water conditions suitable for recreational use via 8' drawdowns.

Since 2014, the **GEIA** spent **\$32,245.00** on **chemical herbicides** to control the growth of invasive species. The 9-year average annual weed fund appeal is **\$4,500.00**. Fundraising averaged **\$4300.00** for the last 3 years, since the formation of the **GEIA's Weed Fund Committee** in 2014. Combined, the 3-year average of annual donations and fundraising is less than **\$9,000.00**, which is far **less than** our average weed control expenditures of **\$12,000.00** over the same period. The **GEIA's** inability to keep up with the **financial burden** of chemical weed control will ultimately have a **negative impact on Glen Echo Lake's** ability to serve as a high quality recreational and ecological water resource to its residents. **Property values** will plummet as a result, causing a loss of tax revenue to the Town of Charlton and its residents.

Glen Echo has a couple properties with **shallow wells** that currently **prevent an 8' drawdown**. The **GEIA** believes the best solution is to replace these shallow wells with **deep wells** that will not only **reduce/eliminate the need for chemical herbicides** to control weed growth but will also increase the value of these properties. The **GEIA Drawdown committee** is working with the various town offices to determine the appropriate path forward. All options will be presented to the membership for consideration and vote.

Todd Girard, Conservation Commission Agent, **supports the GEIA's request for an 8' drawdown**. The selectmen want further reports to be sure there will be no negative impact on the biomass of Glen Echo Lake with an 8' drawdown before making their decision.



Glen Echo Improvement Association

Post Office Box 578 • Charlton • Massachusetts • 01508 • info@www.glenecholake.org

Hello all!

Refill has begun! Due to the unusually warm weather we had in January and the complete ice out we experienced, Todd **closed the gate on February 21** to allow a few extra weeks to allow for the colder weather return, **to freeze the exposed lake bed** and for ice to reform, so that when we started the refill, the ice could do its job and scour the lake bed. Todd closed the gate to allow refill to start while allowing enough outflow to protect the species downstream.

TOWN OF CHARLTON CONSERVATION COMMISSION



37 Main Street
Charlton, MA 01507
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February 28, 2017

Site Visit Review of **Glen Echo Dam**, End of L Stevens Road, M/B/P: 7A- G-36, Town of Charlton, attended by **Todd P. Girard, Conservation Commission Agent**

Today I did a follow up inspection of the draw down after "ice out". The pool elevation was recorded at (-4.5') roughly 6" below the maximum draw down we typically perform. I did immediate investigation on the deviation for this year's elevation.

The **MAHWM (Mean Annual High Water Mark)** was established on the easterly side of the spillway; the level has been permanently scribed into the concrete wall and clearly marked with orange paint and black horizontal line along the scribe.

I had transferred draw down elevation to a grade stake located at the water's edge measured at the 4 foot draw down limit. This was performed in November prior to my medical leave of absence. The grade stake was to facilitate the limited mobility issues I was experiencing due to post surgery recovery.

During my medical leave, the elevation of the draw down pool increased by 2 feet; as a result the dam was reopened in January when I performed the lowering of the water elevation again to allow for a freeze period. The pool elevation was kept at the lowered elevation during the winter waiting for a seasonal freeze that we never experienced. The limit was held at the grade stake set earlier in the season.

The gate for the dam was closed on Feb 21 to begin the refill period; at the time the level appeared to correspond with the grade stake set earlier in the season. Once ice out occurred, another inspection was performed. The existing grade stake was now missing. The secondary limit of draw down I used was recovered after some searching. It is my conclusion that both the primary "grade stake" and secondary witness rocks had been moved during my absence. This change in location is the direct result of the lower water elevation. It was not evident these reference marks had been moved due to snow cover.

Since the fall 2014 draw down, the point of beginning reference has been clearly depicted in the field. This reference point has been the reference for the draw down seasons. All measurements have been taken from this point of reference to ensure quality control. Additional survey reference points have been established during the season allowing for monitoring. This is the first season the reference stakes were moved.

To ensure this "altering" of survey markers does not happen in the future, the elevation of the pool will be physically surveyed relative to the establish MAHW on the dam during daily inspections.

As a lake resident, you know what a very special place **Glen Echo Lake** is to live and raise a family. The goal of the **GEIA** has always been, and will continue to be, to maintain the health of our lake along with providing support and activities to its residents.

Did you know that the various fund raising events we held last year were developed and implemented by **a few residents**? That the board consists of **volunteers**, who spend countless hours to maintain the **Association**, its associated functions and events? We can't do this without resident participation and support. **PLEASE consider getting involved!**

Thanks and see you out on the water!

Jackie Nowak, President



2nd place – Floating Dory
(Nick Beaudry)



3rd place – Tonka Truck
(The Lemanskys)



4th place – Snoopy for President
(Tim Dostie)



Honorable mention – Christmas in July
(Pat Lefebvre)

2016 Aquatic Plants Summary

Early Season Survey: On May 9th and June 8th, SÖLitude conducted aquatic vegetation surveys to assess the relative abundance and distribution of **fanwort** and **variable milfoil** throughout **Glen Echo Lake** and to finalize management strategies for the 2016 season. We agreed to a contract for **\$10,345.00** that includes survey of the lake, permits, and application of chemicals. During the May survey, the entire waterbody was toured and plant growth observations were noted. On the May survey, fanwort growth was not yet present, and variable milfoil was just beginning to break through the sediment in the north-west finger cove. Therefore, a second survey was conducted on June 8th; at this time both **fanwort** and **milfoil** had **appeared in multiple locations**.

Initial Herbicide Treatment: Based on the June survey, treatment was performed on June 21st. In accordance with the **Order of Conditions** for this project, written notification of the scheduled treatment date was sent to the **Charlton Conservation Commission**. Printed signs warning of the treatment and temporary water-use restrictions were posted around the lake, on the website and sent to **GEIA members**. At no time during the treatment program were fish mortalities or significant non-target impacts to other aquatic organisms or wildlife either observed or reported.

Booster Treatments: Prior to the July 13th booster application, the treatment areas were surveyed to assess the previous treatment's impacts, relative abundance and distribution of aquatic vegetation. SÖLitude looked at additional areas that residents noticed. New fanwort growth emerged after initial treatment, and it was deemed necessary to treat these areas to prevent further spread from fragmentation of healthy plants. On July 13th, the new areas of growth were treated and the June treatment areas were left alone as treated fanwort areas were still being impacted and showing signs of chlorosis.

A second and final booster treatment was scheduled on August 4th. The lake was surveyed again to assess vegetation abundance and distribution. All treated areas of fanwort had been substantially impacted by the herbicide applications. The final treatment was performed to all areas of growth to obtain full plant chlorosis and mortality.

Post-Treatment Inspection: On September 28th, SÖLitude performed a post-treatment inspection of Glen Echo Lake to evaluate their effectiveness. Results were positive as abundance and distribution of **fanwort** and **variable milfoil** were **significantly reduced**. Ultimately, neither of these species were observed more than once during the post-treatment inspection. The only observation of variable milfoil was noted towards the back of the northwest finger cove; there was only a handful of new, low-biomass growth, which is to be expected when using contact herbicides instead of systemic herbicides. The only observation of fanwort was on the western side of the northern basin, shortly after passing through the narrow section. This patch of **fanwort appeared chlorotic** and not viable. At some point in late season, SÖLitude applied additional chemical herbicides that the GEIA had not contracted for or approved, for which we received an unexpected invoice for **\$7200.00**, which required vote of the membership to approve and pay. SÖLitude admitted their mistake and agreed to reduce the fee to **\$3600.00**, which we paid. The hard truth is that **Glen Echo Lake required \$17,545.00 worth of treatments in 2016**, which **exceeded our fundraising efforts by \$8000.00**. We **cannot keep pace** with the growing weed infestation and need to decide on more reasonable alternative solutions.

Ongoing Management Recommendations: Based on the success of treatments performed in 2016, SÖLitude recommends continuing with this approach for the 2017 season. Less growth is anticipated in 2017, but pre-management surveys will continue to give us the most accurate area and acreage. In the past couple of years, fanwort growth has been sporadic and areas of growth have emerged at different times so SÖLitude will continue to conduct surveys on the day of treatment to ensure that all growth is documented. If any additional treatment is required, they will advise and **receive approval from the GEIA** prior to proceeding. See the full report on our web site www.glenecholake.org.



Photograph by John Phillips



Photograph by John Phillips
Ace Gaither, 1st Place Kids Derby

The winners:	Glen Echo Lake
1st place Joe Dusault	Fishing Derby
2nd place Matt Rheume	
Kids 1st place Ace Gaither	
2nd place John Pirangelli.	
50/50 Judy Brosnihan.	
Fishing gear	
Drew Porier.	Saturday August 20, 2016
Cooler with lobsters	Rain or Shine!
Don Walker.	6:00AM-1:00PM
	Registration begins at 5:00 AM
	Brad Rose's beach at north end of lake
	Longest Bass (largemouth or smallmouth)
	First Place: \$200. Second Place: \$100
	Trophies, gift cards, family fun!
	FEE: Adults - \$10.00. Children under 12 - \$5.00
	Fee includes chance at raffle
	Question? Call Brad: 508-277-5217



Weed Fund Fun Raising

We All Share the Same Front Yard

The **Dock2Dock Raffle** brought to a close the very busy year of activities **The Weed Fund Committee**, under the leadership of **John Phillips** and **Sue Briody**. Our year-end summary is as follows:

1. October 2016, **Mohegan Sun Trip** ~ \$620
 2. April Fool's 2016, **Glacier Glen 50/50 Ice Out Raffle** ~ \$620
 3. July 2016, **Dock2Dock Raffle** ~ \$4235
 4. General Appeal **Donors** ~ \$3,900
- Total Fund raising 2016 ~ \$9375.00**

The 2016 treatment year was disappointing with the unexpected late season additional treatment by **SOLitude Lake Management** that **exceeded the \$10,345.00 budget** for herbicides by **\$3,600.00**. Even though these costly treatments outstrip our ability to raise sufficient funds to control the invasive aquatic plants that could easily overcome our lake, we need to remain vigilant in our fund raising efforts and seek alternative and reasonable solutions for the good of the lake.

It is the committee's plan to continue with the **Dock2Dock Raffle** in July, and **Goofy Glen** is on his toes doing his part right now! **WE NEED YOUR HELP.....**

1. Direct donation to the **Weed Fund!**
2. Take a chance on **Goofy Glen 50/50 MAY DAY Raffle!** Send checks. We fill the ticket!
3. Get your **family and friends** to take a chance on **Goofy Glen, by MAY 1, 2017!**
4. Donate prizes to the **Dock2Dock Raffle!** See 2016 Flyer for ideas!
5. **Buy AND sell** raffle tickets for the **D2D Raffle!** Packets with Raffle Flyers and Tickets will be provided!

Every dollar we raise through fund raising is a dollar not shouldered just by the membership! And we are *fun* fund raisers, too! **Weed Fund Committee** to meet on Tuesday, June 6 at 6:30 pm at **Sue Briody's** home on 141 Sunset Drive. Email SueBriody@aol.com or call/text her at 617-834-6859 with offers, suggestions and questions. Look forward to see you then!



Joey Montemagni and Glen Echo bass



Have kayak, will fish!



Pond Prowlers



Brad Rose



Derby participants Devin Phillips and Ty Morgan,

Photograph by John Phillips

Glen Echo Gear Clothing Styles and Standard Colors*
Traditional Cotton Clothing Items

Price	Style	White	Ash	Navy	Black	Yellow	Blue	Red	Pine G	Kelly G
\$10.00	Ladies V-Neck T	X	X	X	X	X	X	X	X	X
\$10.00	Tank Top	X	X	X	X	X	X	X	X	X
\$10.00	Short Sleeve T	X	X	X	X	X	X	X	X	X
\$15.00	Long Sleeve T	X	X	X	X		X	X	X	X
\$15.00	Crew Sweatshirt	X	X	X	X	X	X	X	X	X
\$22.00	Hood Sweatshirt	X	X	X	X	X	X	X	X	X
\$22.00	Ladies' Hoodie				X		X		X	
\$25.00	Zip Hood Sweatshirt	X	X	X	X		X	X	X	X
\$22.00	Sweat Pants		X	X	X		X		X	
	Logo Ink Color	Black	Black	White	White	Black	White	Black	White	Black

New Sport-Tek Lightweight Moisture-wicking Fabric Items

\$15.00	Ladies Sport-Tek S-Sleeve T (*specify color from spec sheet)
\$20.00	Ladies Sport-Tek L-Sleeve T (*specify color from spec sheet)
\$15.00	Men's Sport-Tek S-Sleeve T (*specify color from spec sheet)
\$20.00	Mens' Sport-Tek L-Sleeve T (*specify color from spec sheet)

Clothing Sizes
Men's Clothing: XS, S, M, L, XL, **2XL, **3XL, **4XL
Ladie's Styles: XS, S, M, L, XL, 2XL, 3XL
Youth Clothing: XS(4) S(6-8) M(10-12) L(14-16)
Infant & Toddler: 6M, 12M, 18M, 2T, 3T, 4T

*Some items available in other colors. Visit www.glenecholake.org to see them!
**2XL and above add \$5. Also in Tall sizes additional \$4. (2XL+T=+\$9) Ask ?'s

Glen Echo Gear Order Form (or make your own on separate sheet!)

#	Item Description	Color	Size	Price	Total

Total Enclosed _____

Mail your order with your check made out to:
Glen Echo Improvement Association
P.O. Box 578
Charlton City, MA 01508

Q's? email suebrودي@aol.com call/text 617-834-6859



Glen Echo Gear

Order by May 31st in time for 4th of July



✂.....→
and return with your check

2017 Membership Dues and Information Update

(please print LEGIBLY)

Name: _____

LAKE Address: _____

MAILING Address: _____

Phone: _____

Email: _____

Yes! Please add me to the email distribution list.

Enclosed DUES:
(choose one, submit by May 1, 2017, pay to GEIA)

One year (for 2017)	\$30.00	\$
Lifetime	\$450.00	\$
Enclosed Weed Fund (suggest \$70)		\$
GEIA Gate Key	\$10.00	\$

(One-time fee for key. Lifetime or annual renewal of membership required of all key holders.)

Total Amount Enclosed _____ **\$**

Make your check payable to the GEIA
Glen Echo Improvement Association
Post Office Box 578
Charlton City, MA 01508
GEIA is a 501(c)(3) Non Profit Organization
Your Donation is Tax Deductible.
We All Share the Same Front Yard!
Thank You!!



Photograph by Gail Olmsted

Glen Echo Improvement Association ~ Spring 2017



Photograph by Susan Briody



GLENECHO IMPROVEMENT ASSOCIATION, INC.
 P.O. Box 578
 Charlton City, MA 01508
 www.glenecholake.org

MAYDAY Goofy Glen!

May Day! Goofy Glen, your help he needs
 To Save Our Shores from unhealthy weeds!

On the shore he will sit and wait,
 Until the refill deems his fate!

Only you can save him from the lake
 On the 50/50 chance you take!
 \$5 per chance or \$10 for 3,
 That half the pot for you will be!

For this is what Goofy Glen pleads!
 His half goes to the fund for weeds!
 May Day, the first, the raffle will be,
 To find out who wins, along with he!

Place in an envelope to send on its way,

Your check made out to the GEIA
 PO Box 578

Charlton City, MA 01508

Visit www.glenecholake.org for more events and information.

**Hugh
 Briody
 and
 Big
 Mama
 Bass**



Photograph by Susan Briody



Key Holders Update!
 All keys have been updated and/or accounted for!
 Please keep in mind that all key holders must update membership every year, or be a Life Time Member of the GEIA!
THANK YOU!