

2023 GLA ANNUAL MEETING

Program and Committee Updates

BOAT WASH REPORT 2023

Staff updates

Posting for one more new person to join our team, through October. Chuck Penner is interested in returning this year as as substitute. Josh heads back to NY in mid August.

Hired Fyn Luebke as an apprentice. He is experienced with boat motors and technical repairs. Found and removed zebra mussels from the area surrounding an I/O motor last week.

2023 Boat Wash Crew

- Christian First
- Abbi Laurentius
- Fyn Luebke, apprentice
- Elsa Miller
- Sallyanne Morris
- Josh Samberg
- Victoria Velting
- Chuck Penner



Year	Interviewed	Info	Washed	Flushed motor	Mussels found	Plants found	Refusals	Fishing	Pleasure
2012	3244	198	798	578	3	20	1	533	2703
2013	3065	825	706	499	4	13	4	729	2312
2014	3165	840	734	487	2	31	1	657	2495
2015	3006	666	628	454	4	22	1	421	2554
2016	3152	1065	672	465	6	22	1	523	2586
2017	3424	625	763	592	5	7	0	571	2805
2018	3747	526	845	597	0	20	2	616	3073
2019	3508	1867	830	626	1	38	1	585	2923
2020	3927	676	876	644	4	21	2	487	3278
2021	4217	823	866	622	3	26	2	552	3531
2022	4232	529	971	692	2	41	2	663	3443
2023	1952	626	306	223	2	16	0	175	1761
July 1-5 Boats in					July				
2018	338				1	96			
2019	296				2	72			
2020	412				3	100			
2021	401				4	91			
2022	380				5	31			
2023	390					390			

YTD Total
July 10

Events - M22 Challenge



Board members and staff interviewed 549 participants and washed 88 boats

- 2 sets of new kayak stands worked great!
- 2024 Inspection stickers - Souvenir
- Wash was busy all day, not just the afternoon
- Follow up photo opportunity with M22 events Matt Myers

THANK YOU!

- Kris Fishman
- Dave Cheney
- Stan Kryder
- Rick Fink



Reports - Boat Wash

100 Boaters Interviewed
July 4

Special thanks to:

Christian First
Elsa Miller
Josh Samberg
Sallyanne Morris



Reports - Fishing/Creel

Targeted

- Trout 4
- Perch 13
- Bass 14
- Salmon 1
- Anything 1



Released

- Perch 310
- Bass 86
- Rock Bass 35



Harvested

- Perch 83

Reports - Invasive Species

2



- Eurasian Watermilfoil - 2 found last week on boat trailers coming from Lake Leelanau.

1



- Zebra Mussels found & removed on area surrounding I/O motor.



COMMUNICATIONS COMMITTEE REPORT 2023

Goals:

- 1) Promote stewardship of the Glen Lake/Crystal River Watershed among the community at large
- 2) Raise awareness of watershed protection issues and opportunities
- 3) Raise awareness of the GLA - who we are and what we do
- 4) Educate riparians about best practices for property maintenance and improvement so as to protect water quality
- 5) Inform members and the community about upcoming events and GLA initiatives

Primary Communications Channels:

- 1) Printed Annual Report
- 2) Emailed Monthly Newsletters
- 3) Facebook and Instagram posts (3x/week)
- 4) GLA Website/Watershed Wire Blog

Accomplishments since last Annual Meeting:

- 1) Launched a new GLA website in October 2023. This was a really big deal!
Upgrades include:
 - Numerous member resources including a video library and subject library containing information on best practices
 - Search function
 - Interactive watershed map
- 2) Hired a professional communications company to assist with the Annual Report, monthly e-newsletters, and weekly social media posts
- 3) Sent out 17 eblasts to more than 1,000 subscribers, mailed 488 printed Annual Reports, posted over 200 social media posts, grew our number of followers to 1890 on Facebook and 1090 on Instagram

Goals for upcoming year:

- 1) Expand the "Keep It Blue" theme from the Boat Wash capital campaign to increase engagement around overall water quality goals among members and throughout the community
- 2) Rollout a new e-newsletter format and annual report format
- 3) Improve content delivered through social media channels to raise awareness of the GLA and watershed protection opportunities
- 4) Continue to refine the website to make it easy for members to search for and find what they're looking for
- 5) Publish 3-4 press releases in local newspapers to raise awareness of the GLA

Communications Contributors: Tricia Denton, Rob Karner, Cecelia Denton, Bruce Laycock, Sarah Daling, Dick O'Malley, and Jennifer St. Julian

DEVELOPMENT COMMITTEE REPORT 2023

The goal of the Development Committee is to provide long term financial stability for the Association, enabling the preservation of our fragile natural resource for future generations through supporting our watershed protection programs.

The Development Committee is comprised of: Sue Besio, Tricia Denton, Tom Dutmers, Kris Fishman, David Herr, Rob Karner, Stan Kryder, Edward Lanphier, Charles Offenloch, and Bill Witler along with GLA member and development consultant, Beth Stoner Wiegand.

Now in year two of the three year “Keeping It Blue” Capital Campaign to permanently endow the GLA Boat Wash program, the Development Committee continues to actively seek financial support and commitments to fulfill their \$1,000,000 goal.

Along with the ongoing work on the “Keeping it Blue” Capital Campaign, the Development Committee also hosted the Annual Legacy and Legends event at the end of June.

The GLA extends tremendous gratitude to our new and existing Legends and Legacies. If you would like information on how to become part of the Legend and Legacy program, please feel free to contact the Development Co-Chairs, Tom Dutmers and Kris Fishman, at development@glenlakeassociation.org or call 231-334-7645.

Respectfully submitted, Tom Dutmers and Kris Fishman, Development Committee Co-Chairs



LEGEND & LEGACY MEMBERS as of 2023

Bruce and Christie (Peter)	Alton (Anderson)
Sumner and Irene	Bagby
Patrick and Cheryl	Barry
Denny and Carole	Becker
Andrew and Jennifer	Beckmann
Bob and Julie	Berlacher
Greg and Sue	Besio
Robert and Felicia	Bloom
Bob and T	Boles
Brian and Mary	Campbell
Dave and Cara	Cassard
Richard (and Carolyn)	Chormann
Anne	Davidson
Carl and Polly	DeFaria
James and Sharon	Doyle
Jim and Susan	Dutmers
Tom and Monica	Dutmers
Paul and Mary	Finnegan
Ken and Kris	Fishman
Jeff and Diane	Hamilton
David	Hayes
Jane	Haley
John and Carrie	Haley
Peter and Barb	Haley
David and Susan	Haughn
David and Maureen	Herr
John and Carolyn	Hoagland

Dr. Jeff Janata and	Dr. Susan Carver
Gary and Christine	Johnson
Robert and Barbara	Karner
Thomas and Marilyn	Klingaman
(Charles and)	Knight
Joanne	Knight
Lester and Becky	Knight
Steve and Anne	
Herbert and Joan	Kramps
Joe and Sue	Lake
Edward and	Lanphier
Cameron	
Bruce (and Ann)	Lichliter
Bill and Susanne	Meserve
Andrew and Janet	Miller
Charles and Sara	Ofenloch
Carl and Jackie	Oleson
(John)	(Peppler)
Denis and Martha	Pierce
John and Ginny	Rockwood
(Dick and Barbara)	(Schilling)
Vik and Sue	Theiss
Tim and Sue	Unger
Laura	Wiesen
Bill and Rita	Witler

INVASIVE SPECIES REPORT 2023

AQUATIC PLANT SURVEY RESULTS

Every year in July, Glen Lake Association volunteers survey water plants in Big and Little Glen, Big Fisher, and Brooks Lake looking for invasive plants that could damage our lakes. We use visual sightings and a throwable rake to scoop up plants and we identify every plant found. This survey is only half complete on Big Glen. No invasive plants were found in Big and Little Glen and Big Fisher. Brooks Lake has an infestation of curly leaf pondweed. Rob Karner has led a team to physically eradicate it, collecting about 100 pounds of the plant. Our survey done after Karner's effort, still found large amounts of curly leaf. Detailed reports will be submitted to the Cooperative Lakes Monitoring Program (CLMP).

Volunteers this year were Bill Meserve, Susanne Meserve, Andy Dupont, Rob Meyer, and Kris Fishman. Bill Meserve 7/28/2023



Typical Sampling Locations



Curly Leaf Pondweed from Brooks Lake

2023 TERRESTRIAL PLANT SURVEY RESULTS



Native and Invasive Plant Specialist, Laurel Voran with Purple Loosestrife blooms and Yellow Iris leaves

Number of affected properties

Fisher Lake

Yellow Iris: 12

Phragmites: 1

Purple Loosestrife: TBD

Big Glen:

Yellow Iris: 17

Coltsfoot: 11

Purple Loosestrife: TBD

Little Glen:

Purple Loosestrife: 0

Yellow Iris: 5

Phragmites: 2

Adjacent wetlands (Brooks Road and Hill Creek Rd)

Yellow Iris: 1

Phragmites: 1

Purple Loosestrife: TBD

All lakes were surveyed for Coltsfoot, yellow iris and phragmites. To date, Little Glen is the to only lake to be surveyed for Purple Loosestrife (now coming into bloom), all remaining lakes will still be surveyed for purple loosestrife yet this season.

Thanks to Laurel Voran, Rob Karner, Emma Stafford, Joe Blondia and Tricia Denton for their work on the surveys. We welcome reports of any infestations we may have missed! glenlakeguardians@gmail.com

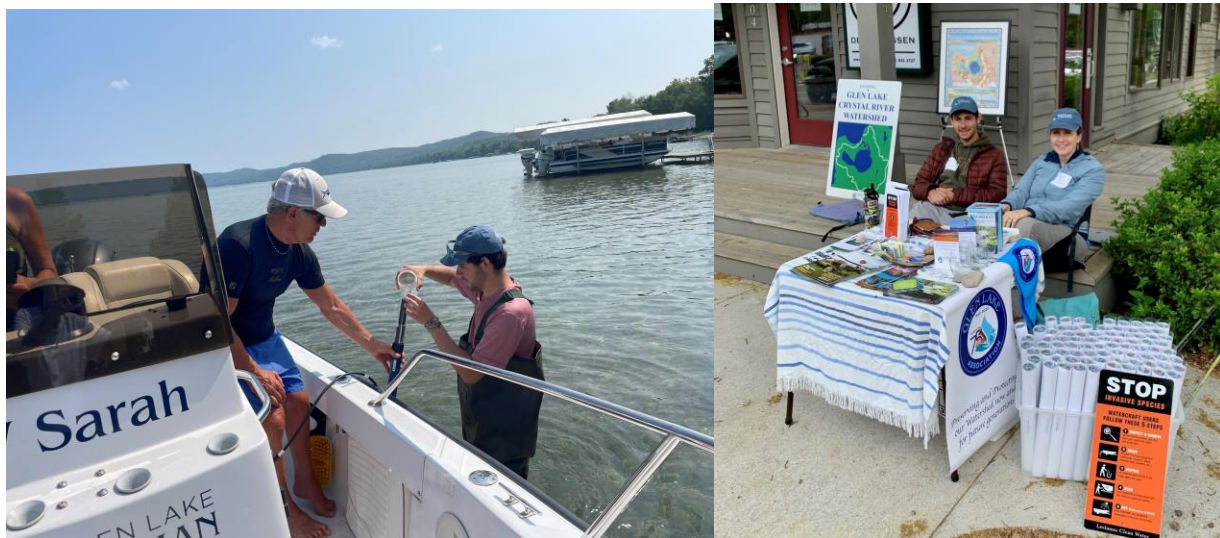
Internship Program



GLA is hosting one part-time intern this season from the University of Vermont. Josh Samberg, a seasonal visitor since childhood, hails from New York and is majoring in wildlife biology. His contributions have included staffing the boat wash and weekly GLA info table in Glen Arbor, assisting with the annual inlet study, the Discovery Boat, Legends and Legacies event and Glen Arbor 4th of July Parade, and working with property owners and businesses to become Glen Lake Guardians. Josh has been a great asset, stepping in enthusiastically whenever needed and eager to learn. Look for him at the annual meeting and be sure to thank him.

We also hosted our second annual specialized Discovery Boat Cruise with the Northwestern Michigan College, Northern Naturalist Certification Program where participants were able to earn credit toward their certification.

Big Thanks for the ongoing financial support of the Dutmers and Witler Families for making the GLA Internship program possible. Our interns consistently experience greater success with securing funding for and placement in top notch educational institutions and exciting job opportunities related to their internship experiences with the GLA. If you are interested in supporting this unique opportunity to build the next generation of water protectors, contact Tricia Denton at glenlakeguardians@gmail.com.



Guardian Program



Our participation rates in the Michigan Shoreland Stewards Program are still tops in the state. We can also boast 100% participation amongst the current GLA Board. River or lake riparian you can rate your shore here [Rate Your Shoreland - Michigan Shoreland Stewards \(mishorelandstewards.org\)](https://mishorelandstewards.org). We added 49 new Guardians this year through the Discovery Boat Program alone.

Staff are currently working with multiple property owners at various stages of implementing bioengineered solutions for protecting their shore and we have room for more! If you are interested in learning more about this attractive, sustainable and cost-effective solution to managing shoreline and riverbank erosion, or just want a personal consultation to learn how you can improve your water friendly status, contact Glen Lake Guardian Ambassador, Tricia Denton at glenlakeguardians@gmail.com.



The Boat Wash remains an important location for sharing water friendly information and our weekly information table outside the Glen Arbor Farmer's Market continues to make a positive impact. Special thanks to volunteers: Pat Combs, Susan Haughn, Larry Faulman, and intern Josh Samberg. Stop in and see us, better yet join us as a volunteer! Tricia Denton 7/18/2023

2023 Stewardship Award, to the William Hampton Family

In the early 2000's when we really started noticing the erosion, we weren't sure what to do. Like many homeowners on the lake, we put in a break wall which was essentially just stacked rocks. In one winter, it was decimated so we had the rocks re-stacked. Again, it fell but now the ice flows started pushing up our lawn into a massive berm. We tried to leave it in hopes that letting nature take its course would be the answer. Unfortunately, the grade of the original work coupled with the concrete and riprap armored shores immediately to the north and south of our property made things worse. Without some sort of solution, we would lose mature cedar trees that once sat 30-50ft from the water and now had exposed roots.

With the help of Tricia at the Glen Lake Association we were able to become more educated about how a natural shoreline could help us. Tricia did an onsite consultation with us, laying out potential issues (like the compounded erosive impact of being flanked by shorelines hardened by concrete walls and riprap) that we would have to contend with but also providing the science behind natural shorelines and sharing contacts for certified professionals who could design and install a solution for our property. This was Spring of 2021. We reached out to Nate Griswold, Leelanau native and founder of awarding Inhabitect. Nate was able to come onsite to see what we were dealing with and put together a proposal for a fraction of the cost of hardening our shoreline with riprap. In the Fall of 2021, he anchored our trees and flagpole to prevent them from falling into the lake through the winter. After a long wait, the project started in summer 2022 and the final step of planting pollinator friendly and other native plants to stabilize the shoreline occurred in late September.

I was very nervous when I drove out from Traverse City in early April but elated to find that the coir logs and re-design that Inhabitect had created for us had worked! Some of the rocks did shift and move with the ice flows but overall, we made it through the winter unscathed. By early June I noticed that the large number of leaves that had accumulated throughout the winter were impeding the growth of the plants, so we contacted Inhabitect. They came out and cleaned everything up and within days the plants sprouted up.

Undoubtedly being surrounded by cement and riprap up and down the shore puts us in a difficult position, but we believe that a bioengineered solution is the best not only for us but for keeping the lake safe and protected for generations to come. Inhabitect is an incredible company who not only does beautiful work, but they do it with the purpose of protecting the watershed. I can only hope more homeowners around the lake will follow our lead.

Our dad, William Hampton, the reason we're all here and why we get to enjoy Glen Lake, passed away August 24, 2022, a few weeks before the shoreline project was complete, but I know he would have been really pleased with it. My brother, Brad Hampton, our sister, Mary Mulvenon and her family, James, Kate and Ellie and myself and my husband Karl and our son Gus and daughter Ainsley are so honored to accept this award on behalf of the William Hampton Family.

Sarah Bielman July 2023

Photos from 1970's



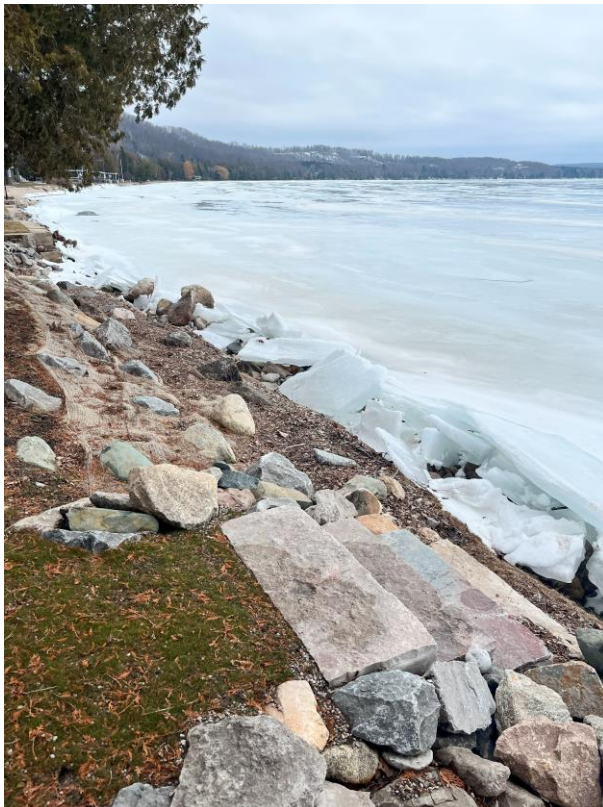
Photos from before bioengineering



Photos during restoration



Photos after restoration



Membership Committee

Synchronization of Membership Renewals

At its July meeting, the board approved a revised timetable for annual membership renewals:

- Effective for 2024, all memberships will be due for renewal by January 30th; rolling anniversaries will be discontinued.
 - During the transition period, no members will need to renew more than once each calendar year.
 - Renewal for those who normally pay in advance at the end of the calendar year will not be due until January 2024.
 - For those who have been paying within the current season, there will be a one-time acceleration of the renewal month – except for those who have already been renewing in the month of January.
 - Auto-renew memberships will automatically be re-calendarized for January, and those members will continue to receive 30-day advance notice ahead of the credit card charge, giving them time to access their member account and make any desired changes before the charge is processed.
 - New members can continue to join at any time of the year, but their first renewal will occur in the following January – and each January thereafter.
- Rationale for the change –
 - Simplifies the notification and collection process for our staff, resulting in less administrative time and associated expense.
 - Reduces confusion for some members who are not on auto-renew, who may otherwise be unclear as to when they should expect to renew.
 - Results in better timing of cash flow to support budget process and operations, ahead of the peak spending period of the season.

Neighborhood Gathering

On July 15th, we piloted a “Neighborhood Gathering” program, as a joint initiative of the Membership and Development Committees. The inaugural event targeted property owners along W Day Forest Road on Little Glen and was very well received by participants. After mingling with their neighbors over coffee and muffins, attendees heard from our watershed scientist, Rob Karner, who provided an update on the watershed and answered questions. The gathering also proved successful in raising funds for the Association. Kris and Ken Fishman graciously hosted the event at their home on W Day Forest Road.

Highlights are as follows:

- We had 38 neighbors in attendance, representing 21 households.
 - 7 who needed to renew, 3 of whom did so online the same day.
 - 1 new member joined at the \$1000 level, and one of the renewals was also at the \$1000 level.
 - Other participants took home envelopes to send contributions by mail.
 - We made contact with 4 new property owners.
- Many participants requested complimentary consultations that are offered by the GLA to help riparians manage their properties consistent with best practices.
- Several new donors and new volunteers were identified who want to get more involved.

Given the successful debut, plans call for rolling out the program to additional neighborhoods beginning next season.



Respectfully, Woody McCally, Chair, Membership and Records

Overlay Committee of the Glen Lake/Crystal River Watershed Protection Project Task Force

As we reported to the membership last August, the overlay proposal faced strong headwinds in Glen Arbor, Empire and Kasson Townships . The Overlay Committee did complete its spring 2023 objectives by making formal presentations to the planning commissions of Empire and Glen Arbor Townships . Our objective was to get our complete body of work into the official public record of the two main political entities directly impacting our watershed. Our presentations were led by award winning consultant, Tony Groves of Progressive AE, who was expertly assisted by GLA watershed biologist Rob Karner. Unfortunately, and as expected, we were unable to gain any traction with either entity at this time. Rather than continue to expend further monetary resources or staff and volunteer hours on the project, we recommended to the GLA board, alternative pathways to achieve our goal, which they have taken under advisement.

We would like to recognize Cleveland Township, its Planning Commission chaired by Dean Manikas and its board supervisor, Tim Stein, for in accordance with their most recent township master plan, incorporated townshipwide many of the protective measures detailed in our body of work. Our Glen Lake Guardian Ambassador, Trish Denton, was instrumental in achieving this very positive result.

Should you have any suggestions or questions, please do not hesitate to contact us, Jim Dutmers and Rob Karner, Cochairs

Water Level Committee

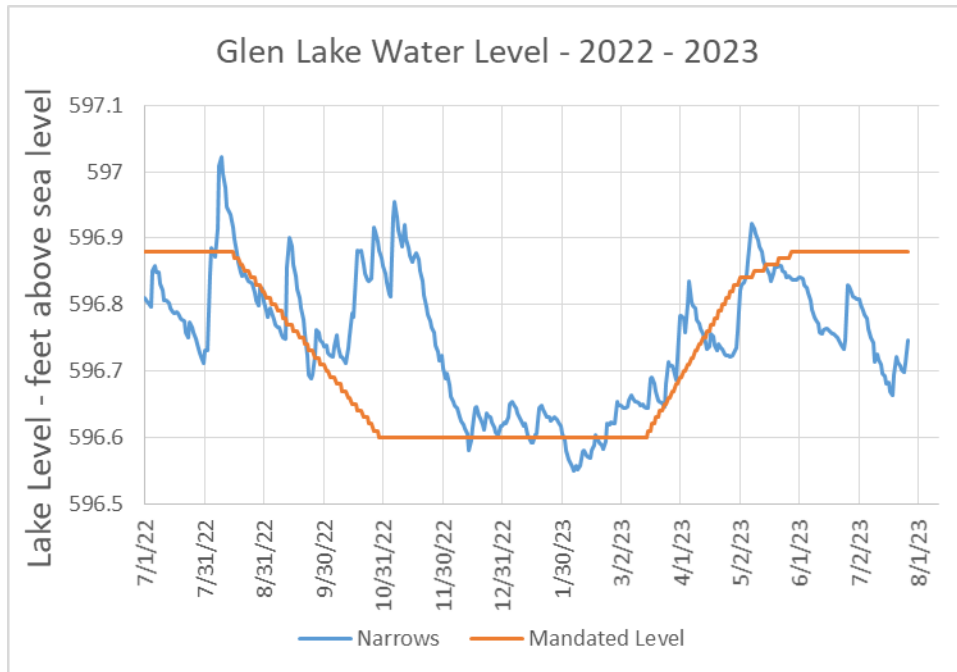
GLA Water Level Volunteers:

Rob Meyer	Bill Meserve (Chair)	Calvin Killen
Rick Fink	Victor Peirce	Dale DeJager
Graig Halik	Dave Pejsa	Amy Peterson
Alan Kasper	Bob Dekorne	John Lund
John Kassarjian	Vic Theiss	Matt Wiesen

For the past year, this team of volunteers visited the dam twice a week to take readings, inspect the dam, and make decisions on changing the dam gate height.

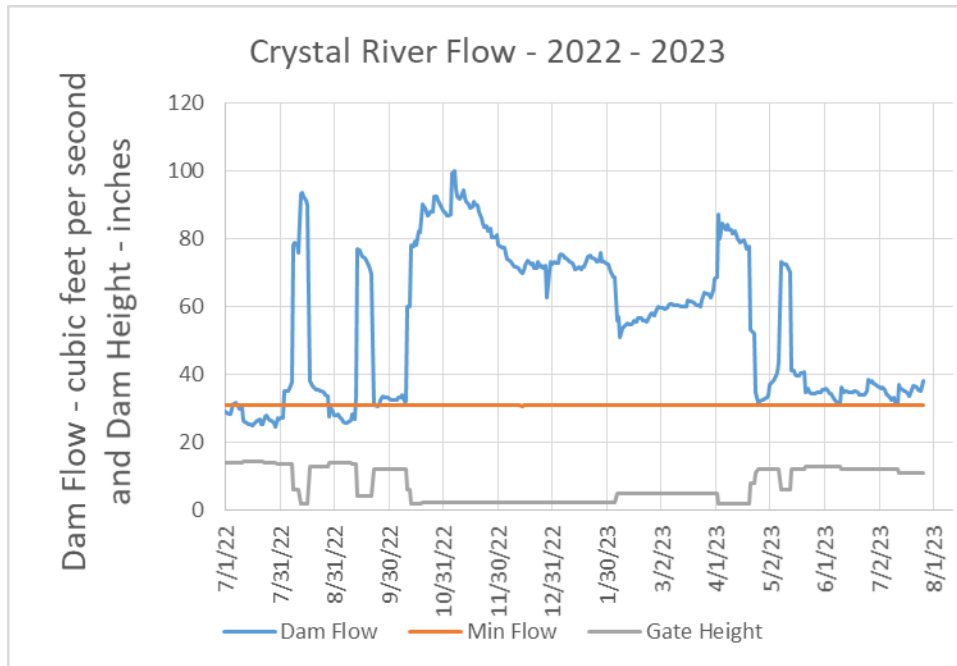
Currently we are in an unusually early summer drought season which lowers lake level beyond which can be corrected by lowering dam flow. The previous three summers the period of drought was much shorter.

The following chart shows the lake level versus the court mandated target level for the past year.



Volunteers made 23 dam changes to the dam setting during the past year in an attempt to keep the lake level on target and the river flowing above the minimum flow set by the court. There were some instances when the flow was below the court ordered minimum due to a technical problem with a pressure transducer in the sensory that monitors flow. The problem has been fixed by changing out the transducer at the dam.

Dam flow has been kept low for the past 3 months to keep as much water in Glen Lake as allowed by court order. The chart below shows the river flow rate and the dam height for the past year.



All the data on these graphs is from the automated systems located near the narrows bridge and at the dam.

Bill Meserve

7/28/2023