

2021 Annual Meeting Updates

Boat Launch Report-Boat Wash and Creel Data

This year we have 2 returning employees, Abbi Laurentius and Christian First. Joining them are Dorian Brotschul, John McCalmont and 1 intern – Cecelia Denton. Sallyanne is still managing the operation.

To date we have had 2,500 boats through our site. We have power washed 459 and flushed the motors of 318 watercraft. We have a few new information pieces to hand out, one on Michigan Paddlers and one on Swimmer's Itch Prevention. They have added to our total of 519+ pieces of info handed out.

To date we have recorded 543 hours of fishing for our Creel Report. Our harvested numbers include 481 perch, 9 lake trout and 4 pike. Our largest release numbers include 1060 perch, 54 largemouth bass and 346 smallmouth bass.

We have captured plant material from 12 different boats. Three of those boats were from Lake Leelanau and were carrying invasive Eurasian Watermilfoil. These are documented and recorded in a State of Michigan database.

We are still following suggested protocol from the health department and wearing masks when we interview and face shields when we power wash. To date we have seen visitors from 29 different states.

We are having a busy summer. Stop by anytime if you have questions, need information for renters on where to access public restrooms and swimming areas and Swimmer's Itch prevention or you just want to become more familiar with the boat wash and creel survey programs or have general questions about other GLA programs. Sallyanne Morris 7/28/2021

Communication Committee

Our Goals:

- Communicate -with our members
- Educate -our members and community
- Inform – create awareness of events and initiatives among our members and community

Our Channels:

Website

- Redesign/Refresh in progress – goals are to improve usability and ease of content search
- Inform/educate users about the work of the GLA – our members and our community
- Single point archive for all GLA info
- Timely postings of news & articles

Bi-monthly eBlast

- News and events of the GLA – Overlay District, Watershed Protection initiatives, Swimmer's Itch
- Education on water protection in the Glen Lake/Crystal River Watershed
- Membership support
- Emailed to 1000+ members, friends, community partners
- Open rate of >50% vs typical non-profit open rate of 15-25%

Facebook & Instagram

- Posts designed to create awareness of the GLA and its activities
- Links to education/environmental protection articles on water quality & watershed protection
- A few pretty pictures (actually, a bunch)
- Average views per post >400
- Total views per month >5000
- Both social media sites continue to gain regular followers in our community and elsewhere – approaching 2000

Annual Report

- Year - End summary
- Annual Donor list
- In-depth articles on past year's activities and plans for upcoming year

Communications Contributors:

- Jennifer St. Julian
- David Cheney
- Lori Lyman
- Laurel Voran
- Holly Wright
- Tricia Denton
- Rob Karner
- Vic Peirce, committee chair

Development Committee

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 currently focusing its efforts on supporting the GLA operated Boat Wash and other Invasive Species prevention and removal efforts.

Co-Chairs: Tom Dutmers and Kris Fishman

Members: Sue Besio, David Cassard, Richard Chormann, Tricia Denton, Tom Dutmers, Kris Fishman, David Herr, Stephanie Joseph, Rob Karner, Stan Kryder, Edward Lanphier, Charles Ofenloch, and Bill Witler.

75 Years of the GLA: In 2020 the GLA proudly celebrated 75 years of protecting the Glen Lake/Crystal River Watershed. Special Thanks to all who donated to the 75th Campaign. As of December 31, 2020, more than \$200,000 was donated by our members to secure future support of the Scientific Research and Monitoring staff position currently held by Rob Karner.

Legends & Legacies: We welcomed three new members to the Legends group this year. Now known as the Legend & Legacy program, Legacy members are those that have given \$100K or more in their lifetime or as a single gift. Legends are those members who have included the GLA in their estate plans. Our new Legend's for 2021 are: Ken and Kris Fishman, David and Susan Haughn, and Dr. Jeff Janata and Dr. Susan Carver. The GLA extends tremendous gratitude to our new and existing Legend's. The Legend & Legacy members are invited to an annual summer gathering with the GLA President and Watershed Scientist Rob Karner. If you would like information on how to become part of the Legend & Legacy program please contact Tom Dutmers or Kris Fishman at GlenLakeDevelopment@gmail.com or call (231) 334-7645.

LEGEND & LEGACY MEMBERS

Bruce and Christie	Alton
Peter	Anderson
Sumner and Irene	Bagby
Patrick and Cheryl	Barry
Denny and Carole	Becker
Bob & Julie	Berlacher
Greg & Sue	Besio
Robert and Felicia	Bloom
Bob and T	Boles
Brian & Mary	Campbell

Dave and Cara	Cassard
Richard and Carolyn	Chormann
Carl and Polly	DeFaria
James and Sharon	Doyle
Jim and Susan	Dutmers
Tom and Monica	Dutmers
Paul and Mary	Finnegan
Ken & Kris Fishman	Fishman
Jeff and Diane	Hamilton
David	Hayes
Jane	Haley
John and Carrie	Haley
Peter and Barb	Haley
David & Susan	Haughn
David and Maureen	Herr
John and Carolyn	Hoagland
Dr. Jeff Janata &	Dr. Susan Carver
Gary and Christine	Johnson
Robert and Barbara	Karner
Thomas and Marilyn	Klingaman
Charles & Joanne	Knight
Joan	Kramps
Joe and Sue	Lake
Edward & Cameron	Lanphier
Michael and Lori	Lyman
Bill and Susanne	Meserve
Charles and Sara	Ofenloch
Carl & Jackie	Oleson
John	Peppler
Denis & Martha	Pierce
John and Ginny	Rockwood
Dick & Barbara	Schilling
Vik & Sue	Theiss
Tim and Sue	Unger
Bill and Rita	Witler

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 **64 new Guardians** through the Discovery Boat program this year! Staff is currently working with more than a dozen property owners at various stages of implementing bioengineered solutions for protecting their shore. If you are interested in learning more about this water friendly, sustainable and cost-effective solution to managing shoreline and riverbank erosion, contact Glen Lake Guardian Ambassador, Tricia Denton at glenlakeguardians@gmail.com. The Boat Wash remains an important location for sharing water friendly information and staff, board, interns and volunteers have hosted an informational table outside the Glen Arbor Farmers Market this season dispensing Guardian information to visitors and locals alike, We are all Guardians! Special thanks to volunteers: Pat Combs, Susan Haughn, Larry Faulman, and Kris Fishman. Stop in and see us. Maybe you spotted our parade entry this year and were lucky to get one of 50 watershed posters that we distributed along with Guardian information. Thanks to David Haughn taking time this 4th of July to expertly navigate the GLA research vessel RV Sarah through the Glen Arbor crowds.

Tricia Denton 7/31/2021

Invasive Species Committee Report

Aquatic Invasive Plants:

Every year volunteers sample water plants in Big and Little Glen, Big Fisher, and Brooks Lake looking for invasives that could overwhelm our lakes. This is done in July when plants are fresh and lush. Last July we used a special throwable rake to bring up plants in 89 locations, finding 18 different aquatic species but none of the invasives that have been found in other Michigan lakes. Those plants identified were: chara, coontail, wild celery, native milfoil, lesser duckweed, elodea, bladder wort, a sponge, and pondweeds (clasping leaf, Illinois, large leaf, sago, variable, bushy, white stem, and fern). Reports were written and submitted to a statewide database. So far this year, we have surveyed Big and Little Glen lakes and have found no invasive plants Brooks was all clear as well. We plan on surveying Fisher lakes soon.

Volunteers are Bill Meserve, Mike Litch, Andy Dupont, and Rob Meyer. Bill Meserve 7/28/2021

Shoreline Invasive Plants:

We are monitoring:

Coltsfoot (Tusilago farfara): 16 populations

Yellow Iris (Iris pseudacorus): 46 populations

Purple Loosestrife (*Lythrum salicaria*): 2 populations (+ more. survey not complete until when in bloom later this month)

Phragmites (*Phragmites australis*) : 3 populations

Butterbur (*Petasities hybridus*): 1 population

Participants:

GLA Intern: Cecelia Denton

Volunteers: Victoria Velting (NMC Freshwaters studies student who learned about our work last fall), GLA member: Diane Krause, and the Northwest Michigan Invasive Species Network

Contractors: Laurel Voran LLC, and Wildlife and Wetlands solutions (fall treatments of coltsfoot)

Actions:

Areas where Iris was dug out last fall with assistance from GLA Interns Holly Wright and Evan Fink and NMC Freshwater Studies students are being monitored for regrowth and seedlings. Seedlings are removed as soon as discovered. In the case of iris that were too big it easily dig out, we are repeatedly cutting back or "mowing" the iris foliage which will weaken and eventually kill the roots without using chemicals.

Purple loosestrife - waiting for bloom before completing survey. Treatment methods determined once extent of infestation is known.

Coltsfoot- surveys complete. In process of notifying landowners to obtain treatment permission. If it is growing on your property, please do not try to dig it out or mow it down. We need as much foliage present as possible in the fall in order to have the most effective treatment.

Butterbur - will be treated with chemical by the invasive species network.

Phragmites - will be treated with chemical by a contractor.

For those riparians within the coltsfoot survey zone (south Brooks Road to Inspiration Point): We will be asking for renewal of permission to monitor your shoreline. Please watch your email/us mail for our form, or print form here [SIP Permission Letter Logo '22-25 \(glenlakeassociation.org\)](https://www.glenlakeassociation.org/SIP-Permission-Letter-Logo-22-25) fill out and return promptly. Laurel Voran 7/16/2021

Internship Program

GLA is currently hosting two part-time interns who have assisted in every aspect of what the GLA does, taking shifts at the boat wash, assisting with water quality monitoring, the ongoing enteric study, our shoreland invasive species monitoring and removal programs and promoting Guardian practices to the public. 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. We will again be partnering this fall with the Northwestern Michigan College Freshwater Studies Program, a top 10 Freshwater Studies Program in the nation, to provide instruction and field based research opportunities for their Introduction to Freshwater Studies Course. Thank you for the ongoing financial support of the Dutmers and Witler Families for making the GLA Internship program possible. If you are interested in supporting this unique opportunity to build the next generation of water protectors, contact Tricia Denton at glenlakeguardians@gmail.com.

Tricia Denton 7/31.2021

Long Range Planning

Task Force Members: Jim Dutmers (Co-Chair), Rob Karner (Co-Chair), Tricia Denton, Mike Litch, Don Drabik, Roy Pentilla, Bill Meserve, Denny Becker, Dick Figura, Tim Cypher, Tony Groves, Bill Witler and Edward Lanphier.

The Glen Lake-Crystal River Watershed Protection Task Force after four years of diligent research and analysis with the aid of third-party experts has begun working with the Glen Arbor, Empire, Kasson and Cleveland Townships Planning Commissions urging adoption of model ordinances designed to protect our unique watershed for future generations.

Our proposed Overlay District Ordinance substantially mirrors those in place in other areas and have proven successful in several states for decades. In order for our proposal to be successfully adopted, each township board will have to review and formally approve. The timing of these votes will vary according to the current workload of each townships planning committee and board of supervisors, initial results are promising. Jim Dutmers 7/24/2021

Quality of Life

Committee Members: Bill Witler, Tom Dutmers(Chair), Jim Dutmers, David Herr, Tricia Denton, David Hayes

The Quality of Life Strategic Plan Focus Group continues working closely with the GLA Overlay Task Force by providing appropriate assistance to the Task Force's in their efforts to make this a success for the Glen Lakes/Crystal River watershed.

Held discussions with the Leelanau County Sheriff and Staff to address increasing the marine patrols on

the Glen Lakes in high season.

Discussed with Glen Arbor Township Clerk the GLA's concern with safety, patrol and enforcement in dealing with individuals diving/jumping off the Narrows Bridge as well as parking on the Narrows bridge and surrounding area. The Township is in contact with MDOT as to how best to address these issues.

In very early initial fact finding discussions with Ervin and Associates (The GLA's Strategic Plan Consultant) on investigating a common sense approach to better serve our Membership in addressing the ever increasing number of tourists to the Glen Lakes/Crystal River and the related needs in serving these guests.

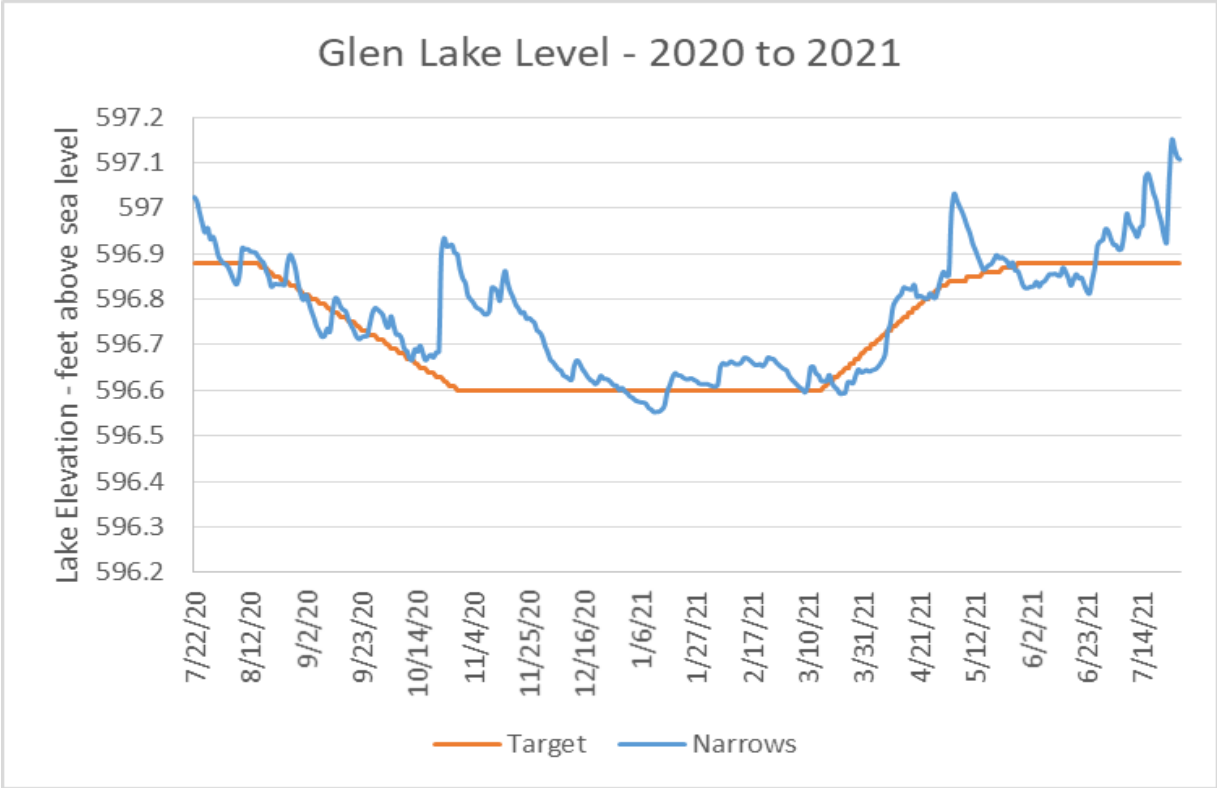
We welcome input from our Membership as to additional concerns/issues you may have and please do not hesitate to contact any Focus Group Committee Member. Tom Dutmers 7/16/2021

Water Level

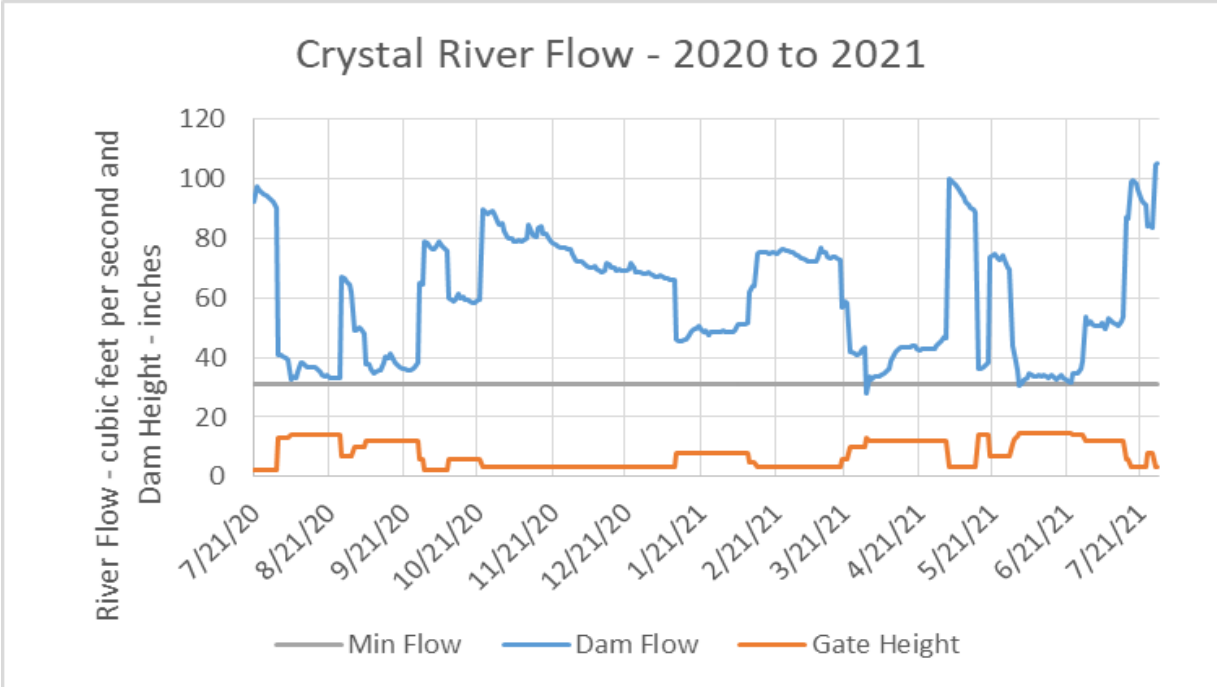
Our Water Level Volunteers:

Rob Meyer	Dave Bohmer	Bill Meserve (Chair)
Rick Fink	Victor Peirce	Dale DeJager
Greg Halik	Dave Pejisa	Amy Peterson
Alan Kasper	John Pepler	John Lund
John Kassarian	Vik Theiss	Matt Wiesen
Calvin Killen	Tim Westbay	

For the past year, Glen Lake was closer to the target level than usual. Because of a relatively dry winter, we got about half the normal snow fall, the lake was close to target levels since January. Last summer we got plenty of rain, so the normal summer drought of July and August did not drive the lake level below target as it usually does. And, so far this year we have not experienced the summer drought which takes the lake level down, frustrating boat and lift interactions. The mid-July rainstorm was a rare event for this time of year, bringing the lake level up about 2.5 inches. (See graphs on next page)



Water Level Committee volunteers visited the dam twice a week to inspect and take manual readings. They made 28 dam changes to the dam setting during the past year in an attempt to keep the lake on target and keep the river flowing above the minimum flow set by the court.



All the data on these graphs is from our automated systems located near the narrows bridge and at the dam. Bill Meserve 7/28/2021