GLA 2020 ANNUAL MEETING UPDATES

LONG-RANGE PLANNING COMMITEE

Strategic Plan: Our Mission is to preserve and protect the water quality, natural resources, and quality of life in the Glen Lake Watershed through leadership, education, and collaboration. Our Vision is to be the recognized leader in evidence-based strategies for protecting the Glen Lake Watershed while advancing environmental education, sustainable policies, and quality of life. Work groups were formed around four Focus Areas:
Water Quality, Education and Communication, Quality of Life, and Organizational Development. Action plans are well underway to meet identified objectives in the focus areas. Organizational development will be a major focus in the upcoming year.

Watershed Protection Project: A specific focus of Long-Range planning and the Strategic Plan is the Watershed Protection Project Task Force. Significant progress has been made already this year on both **Septic** related issues and a proposed **Overlay District** of enhanced zoning protection in the watershed.

> **Septic**-Time of transfer well and septic inspections ordinances now in place in three of four townships in the Glen Lake/Crystal River Watershed, including Cleveland, Empire, and Glen Arbor. Kasson still considering.
>
> **Overlay District-** In the home stretch of a three journey with participation from representatives of and financial investment from all four townships. Public education underway with print, digital, video and audio resources available. Moving into the planning commission phase this fall. Working with the individual townships to adopt provisions of the proposed overlay district zoning.

Thank You! to all who have contributed the many hours required to make this effort a success,

Jim Dutmers, Chair

COMMNUICATIONS 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:

Bi- weekly eBlast

- News and events of the GLA – 75th Anniversary, Watershed Protection initiatives, Swimmer's Itch
- Education on water protection in the Glen Lake/Crystal River Watershed
- A few pretty pictures
- Emailed to 900+ members, friends, community partners
- Open rate of >60% 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 >700
- Total views per month >5000
- 1/3 of followers identify themselves as living in Leelanau, Grand Traverse or Benzie Counties – Our Community

Annual Newsletter

- Year - End summary
- Annual Donor list
- In-depth articles on upcoming year activities

Website

- All new members area – designed for ease of use
- Timely postings of news & articles
- Archive for all GLA info

Coming – Watch for an expanded YouTube video channel. Topics to include Overlay District, Discovery Boat topics, Swimmer's Itch information & prevention, education on watershed protection

Communications Contributors:

- Dale DeJager
- Tricia Denton
- Rob Karner
- Kay Krapohl
- Lori Lyman
- Dee Smith
- Vic Peirce, committee chair

A special **Thank You** to **Susanne Meserve for 10 years** as newsletter editor/designer!

GUARDIAN PROGRAM

-Still tops in the State for participation in the **Michigan Shoreland Stewardship Program**
-Despite a pandemic and necessary cancellations of face to face gatherings, we continue to build our base of Guardians using technology to connect.
-Consults this spring and summer have been taking place via phone and email.
-The **Guardian Pledge** is being revamped as part of our new membership software and updates to the GLA website.
-The GLA was able to sponsor and contribute Guardian content for an 8 session virtual educational series hosted by the **Michigan Lakes and Streams Association**. Intern Cecelia Denton was this year's MLSA **Megan E Cook Scholarship** award winner presented during the webinar series, supporting the next generation of water stewards.
-Our Guardian program has also been featured in multiple **Nature Change** educational videos and in guest articles in the **Leelanau Enterprise**.
-Our three interns are busy spreading the word about Guardian practices wherever they are in the watershed including hosting a booth at the **Glen Arbor Farmers Market**.

Thanks to all our Guardians, keep spreading the word! Contact Tricia Denton at glenlakeguardians@gmail.com for more information

GLA 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.

Members: Lori Lyman-Chair, Sue Besio, Elizabeth Carr, David Cassard, Richard Chormann, Tricia Denton, Tom Dutmers, Kris Fishman, David Herr, Rob Karner, Charles Ofenloch, Dee Smith, Bill Witler

75 Years of the GLA: This year the GLA proudly celebrates 75 years of protecting the Glen Lake/Crystal River Watershed. In this milestone year, the Development Committee is sponsoring the 75th Anniversary Campaign. Contributions received support costs associated with the Watershed Scientist position currently held by Rob Karner. Gratefully, three members stepped forward with a challenge to raise $75,000 which they will match 1:1, for a total of $150,000. As we look to the future of our watershed, we are aware of significant challenges ahead. We invite you to invest in the future during this landmark year and consider making a gift to protect and preserve the Glen Lake/Crystal River Watershed. Please visit the GLA website at https://www.glenlakeassociation.org for information on making a contribution.

Legends & Legacies: New this year we welcomed our GLA Legacy members to the Legends group. 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. Our Legacy members are Gregory & Suzanne Besio, Charles* and Joanne Knight, and Dick* & Barbara Schilling. The GLA offers our most sincere thanks to these truly generous members.

Legends are those members who have included the GLA in their estate plans. Our new Legend's for 2020 are Brian & Mary Campbell, Paul & Mary Finnegan, Jane Haley in memoriam, John & Carrie Haley, Peter & Barb Haley, and Vik & Sue Theiss. The GLA extends tremendous gratitude to our new and existing Legend's.

The Legend & Legacy members are invited to an exclusive 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 Lori Lyman at GlenLakeDevelopment@gmail.com or call (231) 334-7645

List of 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
Jeff and Diane	Hamilton
David	Hayes
Jane*	Haley
John and Carrie	Haley
Peter and Barb	Haley
David and Maureen	Herr
John* and Carolyn*	Hoagland
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

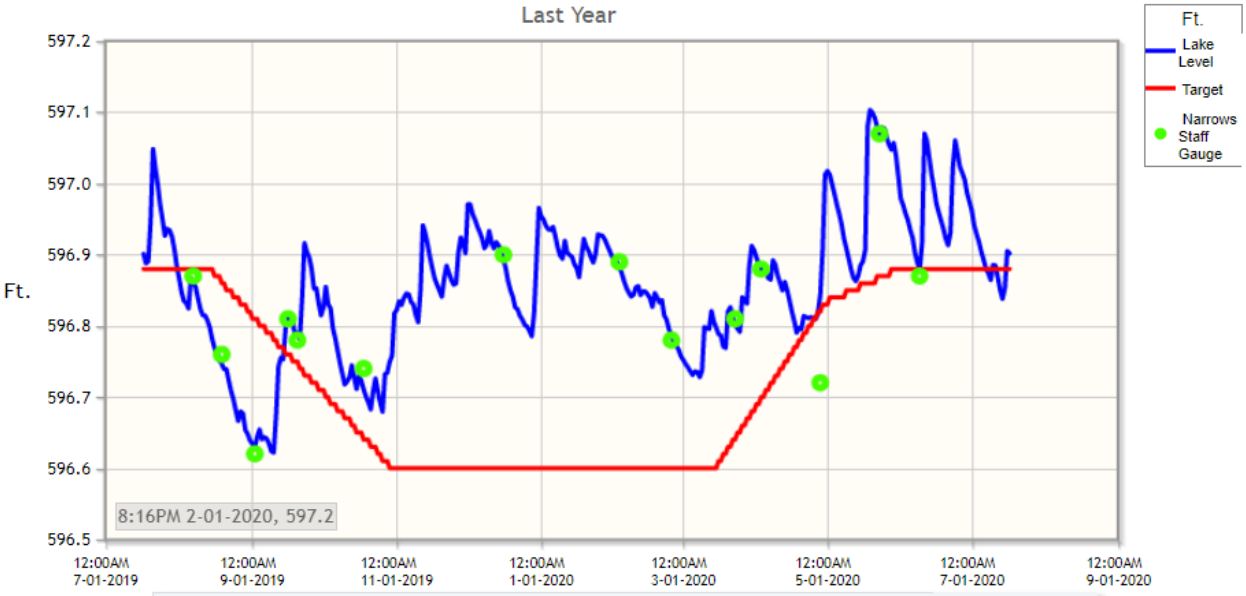
* in memoriam.

WATER LEVEL COMMITTEE

Thank you to our Water Level Committee Members!

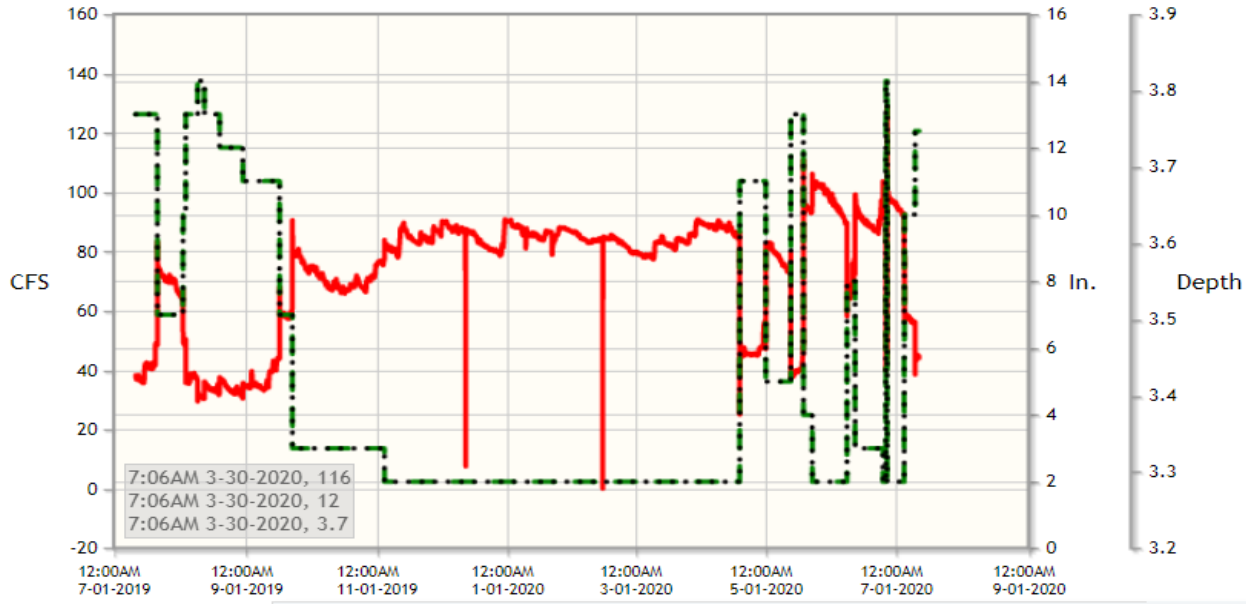
Bill Meserve (Chair)
Rob Meyer
Dave Bohmer
Dale DeJager
Rick Fink
Graig Halik
Alan Kasper
John Kassarjian
Calvin Killen
John Lund
Mike McDonald
Dave Pejsa
Victor Peirce
John Peppler
Vic Theiss
Tim Westbay
Matt Wiesen

Water Level vs Target



The water level graph shows several 2" to 3" rapid inclines which relate to our significant rain or snow events. It is not unusual to have high lake levels through the winter months and approaching summer, however this year has been higher than average.

River Flow vs Dam Setting



This graph represents 18 dam changes (green) and river flow (red) during the past year. Dam level adjustments were roughly half of 2018-2019 due to consistently high water. The dam was completely open from the beginning of November until near the end of April.

BOAT WASH

Submitted by staff Sallyanne Morris, Boat Wash Coordinator

After a short delay due COVID-19 the Boat wash has now been open since mid-June and is busy as ever.

Special COVID19 Protocols: This summer the Boat wash crew is following Health Department and Government Protocols at the launch. Employees take their temperature at home and take a health assessment every shift they work. Other adjustments include all staff wearing gloves, face masks and face shields, distancing 6 feet between each other and boaters during the interview and during the boat wash and flush engine procedures. We have coned off our private work area that requires a mask to enter. Due to the sheds small size, we are implementing 1 employee only at a time inside the shed. We wash our hands frequently, use hand sanitizer and there is multiple daily cleaning of all areas touched by the crew.
We are working hard to stay safe and healthy and continue your boat wash operation!

Creel Survey: June 16-30, 2020

54 Anglers

87 hours fished

56 fish harvested, primarily Yellow Perch, but also including Small Mouth and Rock Bass

172 fish caught and released, primarily Yellow Perch, but also Large Mouth, Small Mouth and Rock Bass and Northern Pike

TECHNOLOGY COMMITTEE

Submitted by Volunteer Cal Killen

- More technology improvements for lake/river water level measurement technology
    - Better reliability
    - Lower power / Less battery maintenance
- Installed station for water level and temperature measurement on Hatlem Creek
- Several lakes in Northern Michigan have asked to use our measurement technology
    - Already deployed at Glen Lake(5), Lake Leelanau(3), Crystal Lake(1)
    - In-process for Little Traverse Lake(3) and Duck Lake(1).

INVASIVE SHORELINE TERRISTRIAL PLANT COMMITTEE

Submitted by volunteer Mike Litch, Invasive Species Control Coordinator

Early April 2020 Northwood Coltsfoot Survey

- Loral Voran conducted the In-kayak shoreline check and no coltsfoot was discovered.

Late May drone survey review

- Purpose was to determine if invasive plants can be detected by that method
- Coltsfoot could not be detected by done at that time. May want to assess again next Spring at a reduced altitude. Non-treated coltsfoot should be identifiable later in the summer when the leaves are of a much larger size.
- Yellow Flag Iris not confirmed at that time. Might be easier by drone when blooming Later in the season.
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Mid July East Shore survey

- The on-foot coltsfoot and a yellow flag iris, east shore (Brooks Lake to foot of Inspiration point) survey was completed by Laurel Voran.
- 18 Coltsfoot properties were noted and plants dead headed (except for 1). Old infestations are reduced significantly. No new infestations observed. Treatment will be conducted again this fall as in the past.
- 20 Yellow flag iris infestations were noted. Assistance for its eradication will be conducted as we do with our coltsfoot program.
- Property owners will be contacted to notify them of its presence and eradication advisability. Tricia Denton and Rob Karner will be responsible for this.
- The plan is to request that property owners assist and dig up iris to eradicate, if patches are not too large. For large patches a similar eradication method will be recommended as is used for coltsfoot.
- Plan to dead head seed pods after they mature later this season.

Additional Terrestrial Plant Threat

During the east shore on-foot survey several invasives were noted as follows:

-Coltsfoot (Tusilago farfara)
-Garlic Mustard (Aliaria petiolata)
-Broad-leaved Helleborine (Epipactis helleborine)
-Donkey Tail spurge (Euphorbia myrsinities)
-Knotweed (Reynoutria japonica)

Five sizeable infestations of what has been identified as Donkey Tail Spurge (Euphorbia myrsinites) are good candidates for practical eradication (cost wise and chance of success). At this point it's spread is limited and there is a good chance it can be controlled and eradicated. If nothing is done about this invasive there is a possibility it will be a problem and get out of control. Early eradication response may be warranted. Some of the other invasive listed, with the exception of coltsfoot, are more established and less likely to be controllable. In the near future we may want to consider control of Donkey Tail spurge as well.

Phragmites

The 2 onshore, and 1 back woods close location infestations, that have been noted prior to this year will be deadheaded and treated for permanent eradication at the same time coltsfoot is treated. Wildlife and Wetland Solutions will be contacted to do this work. Future activities will include keeping a close lookout for the very aggressive species as it can spread by windborne seed.