



Alligator & Inspiration

“It’s All About the Water”

Summer 2016

A Message From Our President

I hope everyone had a healthy and relaxing winter as we all look forward to seeing each other on the lake and around town. Let’s hope for a peaceful, warm summer with no August surprises!

It’s been a very busy off-season. We received 210 responses to our member survey this past March, and the results were very clear. You would like us to better leverage technology into our operations and maintain swimmer’s itch control as one of the highest priorities for the Association. You also provided good feedback on our existing web site, identifying your most important information needs.

We have taken this input and are in the process of revamping our operations to use technology to increase efficiency, improve recordkeeping, reduce mailing costs, and increase member convenience. We are also redesigning our web site to better address member needs. Updates on these projects are included in this newsletter

As we move forward to leverage technology, including greater use of email communications, we are sensitive to the fact that some members do not have email addresses and are uncomfortable with technology generally. Rest assured, there is no requirement for you to use technology, and we’ll do everything necessary to keep all members fully informed about Association activities.

In addition to these efforts, your board and member volunteers have been busy:

- Strengthening the Guardian program to include watershed residents and landscapers/lawn service providers
- Expanding swimmer’s itch control efforts (We need your help here—see article in this issue)
- Exploring steps to improve fishing on the lakes

- Improving signage and addressing speed concerns around the lake

Updates on these programs are provided in this newsletter.

Our 2016 GLA Annual Meeting will be held on August 13 at Glen Lake Schools. We have an interesting agenda planned, so I hope you can make it. Everyone is encouraged to

“bring a friend”, especially someone who lives in the watershed but is not a GLA member. I know all the Association does to preserve this area will impress them—and this understanding is our best membership-recruiting tool.

Completing a six-year term and retiring from the board this year is Bob Boles. In his Public Relations role, Bob has been very successful in obtaining significant press for the Association and strengthening our marketing image generally. He decided to go out with a “bang” by leading the redesign our web site. Thank you Bob—for your hard work, dedication, and many accomplishments.

This is my last newsletter as President of the GLA, and I would like to thank you for the encouragement and support you have provided me during the past two years. We’ve accomplished a lot, but our many successes would not have been possible without our dedicated staff and the many individuals who so graciously volunteer their time to the Association. We all owe them a debt of gratitude.

Have a great summer!!

Denny

Dennis Becker



Member Survey Results

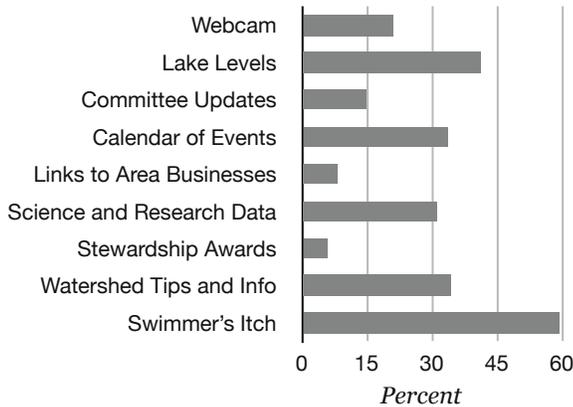
Spring 2016

A big “thank you” to the 234 members who were able to complete our membership survey. Significant conclusions from the survey are as follows:

1. The vast majority of our members (72%) prefer to receive GLA information via email; 21% prefer U.S. mail.

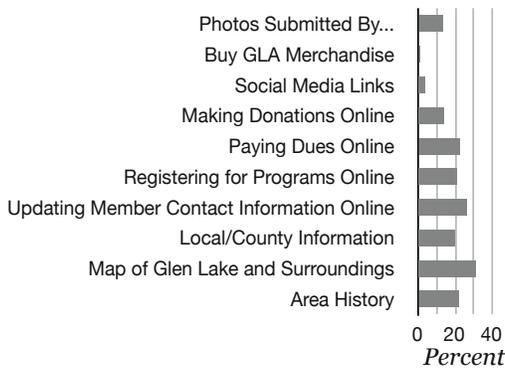
2. The most important topics on the current web site are swimmers itch, lake education, lake levels, and calendar of events. The lowest priority topics are stewardship awards, links to area businesses, lost and found, volunteer opportunities, and the web cam.

How important are these features that are currently on the website?



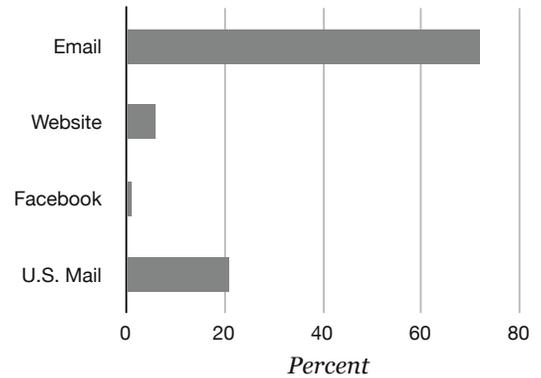
3. Important features members desire on the web site include a map of Glen Lake, ability to update member profiles on line, area history, and local/county information. The lowest priority were social media links and buying GLA merchandise on-line.

How Important Are the Following New Website Features?

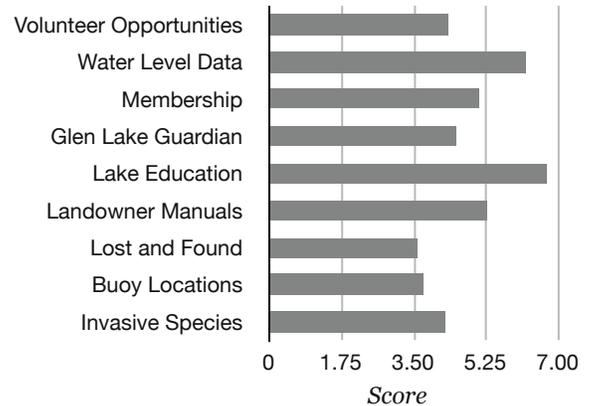


Thanks again to all the members who completed the survey!!

What is the primary way you prefer to get GLA information?

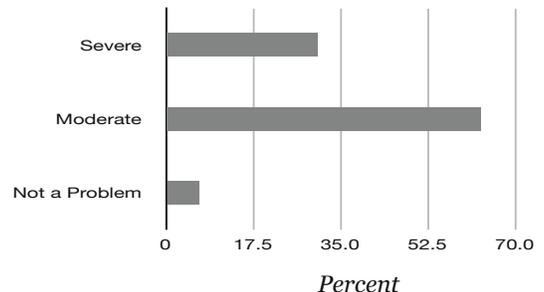


Rank these nine website topics in order of importance (1= most important, 9 = least)



4. Swimmer’s itch is perceived to be a significant problem on the lake with 30% rating it “Severe” and 63% rating it “Moderate”. Roughly 70% of our members agree it’s important for GLA to invest time/ resources to control swimmer’s itch and are willing to report cases on the GLA web site.

Rank the Swimmer’s Itch Problem in Our Lakes



Swimmer's Itch Update

The recent survey to our membership confirmed that swimmer's itch is a high priority. As discussed in our last newsletter, the "itch" has increased to alarming rates on many neighboring lakes, and we are concerned that our interventions could be losing some of their effectiveness. Last year the number of Common Mergansers residing our lake increased significantly.

Given the state is not issuing permits to live trap Mergansers from lakes until required studies are completed (expected in 2017), we will be implementing the following measures in 2016:

Significantly strengthening our duck harassment program-- Currently, our control of swimmer's itch centers on the harassment of the Common Merganser duck. Thanks to a generous donation from a GLA member, we have doubled our spring harassment program effort. Harassment is not a permanent solution, but it is the best control option currently available.

Improving reporting of swimmer's itch cases--We need to better document cases of swimmer's itch on our lakes. Better documentation will help target harassment efforts and quantify the extent of the itch problem, essential to seeking future public/private funds to address it. We need everyone's help in this regard.

Exploring the effectiveness of "itch" prevention creams-- There are several products people use to try to avoid swimmer's itch including Swimmers' Itch Guard, Bullfrog (sunscreen), and Sea Safe sunblock (new to this list based upon people's experience on Crystal Lake). GLA is not endorsing these products, but you are welcome to try them and provide us feedback on your experience.

Continuing snail research--Last year we funded and cooperated with Oakland University to collect water samples, as part of snail research for swimmer's itch control. We will continue this research in 2016.

Supporting state-wide efforts for funding swimmer's itch research--As of this writing, funding for swimmer's itch control is being proposed by the state legislature within the DNR budget. We are actively supporting this legislation, and—if funded—Glen Lake will probably be one of four control sites.

At the end of the summer season, we will evaluate these efforts and use this information to determine our strategy for 2017. If the problem is getting much worse, we may have to significantly increase resources dedicated to the problem. Lakes where the problem is severe are incurring significant costs for comprehensive, multi-year control programs funded by public and private sources.

You Can Help...

Report the itch

If you encounter swimmer's itch, please report it using the form available on our website. Sorry for the form's length, but the information is required to support necessary research. Please note if you were using an itch prevention cream and its name.

Locate nests

If you have Mergansers near your shoreline, attempt to locate their nest. Report nesting areas by calling the GLA office (334-7645). After nesting season, we will block those areas so they don't return next year.

Think Prevention

Consider taking the following actions to prevent swimmer's itch:

-Avoid swimming/playing in the shallows, especially when the wind is coming on shore

-Swim in deep water

-Towel off immediately after a swim (may have limited effect)

-Try one of the lotions referenced in this article, which may help prevent or mitigate the itch.

Report your experience to GLA, 334-7645

Guardian Program Update



The Guardian Program, designed to encourage best practices to safeguard our watershed, is being expanded this year to two important groups:

The Greater Watershed Residents—It has been estimated that 1.75 billion cubic feet of water flowed over the Crystal River dam in 2015, 2.4 times as much as the rain that fell on the lake. This means a lot of water drains into the lake from the larger watershed area. These numbers demonstrate how important the entire watershed is to protecting and preserving the quality of the water in Glen Lake and the Crystal River.

For this reason, we are asking ALL members of the watershed to join the Guardian Program by taking the “Pledge to Protect”, adopting several best practices for protecting our waters. The invitation will go out to all watershed residents mid-June.

Landscapers/Lawn Service Providers—A basic premise of the Guardian program is education---as more people understand “best practices” for protecting the lake, more people will do them.

When homes are remodeled or there is new construction, shorelines and greenbelts are often redesigned. Many new residents come from urban areas and don’t have the background knowledge to know how to best protect the lake and their shoreline. GLA works closely with landscape companies and riparians to develop the best designs for meeting family needs while protecting water quality.

We’ve expanded this effort this year by encouraging landscape companies to become a Glen Lake Guardian. While landscapers, obviously, must do whatever their customers desire, as Guardians, they will encourage “best practices” and share with their clients a new GLA brochure describing 10 ways to create a lake-friendly landscape. We are also working with lawn service providers to encourage their adoption of “best practices”, such as not blowing leaves into the lake.

Landscaper and Lawn service companies who have joined the Guardian Program are listed below. If you need these services, consider one of the companies on the list. If the company you use is not on the list, encourage them to become a Glen Lake Guardian by “taking the pledge”.

Firm Name	Address	City, ZIP	Phone
Designs in Bloom	831 James St.	Frankfort, MI 49635	231-352-6962
Earth Friendly Lawn Care	9219 Blackburn Dr.	Traverse City ,MI 49685	231-929-3578
Grand Traverse Organic Landscapes, Inc	5100 Lautner Rd	Williamsburg, MI 49690	231-938-2626
Heiney Maintenance	7981 South Maple City Road	Maple City, MI 49664	231-228-6423
Glen Arbor Outdoor	6546 State St. / P.O. Box 407	Glen Arbor 49636	231-342-6551
Grand Traverse Organic (add to Group A because OG?)	5100 Lautner Road	Williamsburg 49690	231-632-3211
Inner-Coastal Ecological Services	P.O. Box 374	Glen Arbor, MI 49636	231-947-4496
Lakeshore Marine Construction	5123 Cairn Hwy.	Kewadin, MI 49648	231-357-3396
Laurel Voran LLC	PO Box 33	Empire, MI 49630	231-264-8449
Peninsula Pavers	10707 S. Slope Drive	Traverse City	231-938-2626
Silverman & Company	330 Seventh St.	Traverse City 49684	231-334-3650
Terra Bella Landscape	2263 Cass Road	Traverse City	231-932-1925
The Cottage Pros		Beulah, MI	231-383-5494
Traverse Outdoor, Inc.	2700 Townline Road	Traverse City, MI 49686	231-947-4496
TruNorth Landscaping	9355 Bingham Rd.	Traverse City, MI 49684	231-929-8075
Vidosh North LLC	2780 Charlevoix Ave	Petoskey, MI 49770	248-347-6851

People who joined the Guardian Program last year are reminded that their best practice pledge was for two years, including 2016. If you need another copy of your pledge or desire more Guardian decals, call or email the GLA office, 334-7645 or glenlakeassociation@gmail.com. If you would like to join the Guardian Program, go to glenlakeassociation.org/guardian. The challenge is to continue to be vigilant in protecting the watershed.

Arbor Day Workshop 2016 “Take Aways”

Collected By Rob Karner, M.S.
Glen Lake Watershed Biologist

Landscaping –

- Consider planting a diversity of plant species in order to improve your odds against plant diseases and increase wildlife habitat
- When planting, use parent and native soils – not a premix of enriched soils with extra fertilizer allowing the roots to spread out after planting and promote healthy growth
- To improve on the success of your plantings, remember to water each plant for at least a month or more to increase the success of your work
- Plant native trees such as maples, oaks, white pine, red pine, balsam fir, white spruce, and hemlock to mention a few

Forestry –

- Consider planting tree species from a more southern or western growing climate such as sycamore, willow, and nut trees such as walnut, hickory nut, and chestnut species
- Be aware that oak wilt can spread when you trim branches off from oak trees in the spring. Save your trimming for late summer or fall and always cover the scare with black latex paint
- Avoid planting anything invasive such as Russian Olive or Honeysuckle and be watchful and destroy any invasive ground covers such as common bedstraw or garlic mustard thereby keeping your reforestation project on pace to return to it’s original condition
- Consider planting seedlings that can be obtained from the Leelanau Conservation District thereby maximizing your dollars spent on the right kind of plant material

Septic –

- Your drain field should be free of any plantings except grass or ground covers and avoid at all costs planting trees and shrubs on or near the drainfield thereby avoiding roots growing into your drain tiles and causing blockage and drain field failure
- If you suspect the storm damage on your property involved your septic system, have it inspected by the county health department thereby avoiding septic leaks and possible harm to the nearby lake, river, or stream

National Park Land –

- Leaving fallen trees and uprooted stumps can and will provide for new habitat for a variety of plants and animals
- Decomposed trees that are left in place will decompose by a variety of fungi and will return vital soil nutrients to the stressed area thereby setting the stage for a more vibrant return of the original forest
- Contact the Sleeping Bear Dunes National Lakeshore in Empire, MI to notify them of any storm damaged trees in public or private lands that may serve as a safety hazard, and they will come and assess the risk and take appropriate action
- The national park, unlike a national or state forest, has a policy to “showcase” the affects of storms and large tracks of “blow downs” thereby enhancing the educational value of how storms play a role in the health of our hardwood forests

Other Glen Lake Association News

Website Re-design

We are in the process of re-designing the Glen Lake Association website to make information easier to find and to be more responsive to member needs. It will also provide significant technology enhancements that enable us to reduce administrative costs and improve recordkeeping. While the majority of our membership (72%) prefers email correspondence, we will maintain our regular mail communications for those members who don't have an email address or are uncomfortable with on-line communications. The new website will be showcased at our August annual meeting including a breakout session to demonstrate new capabilities.

Glen Lake Fish Update

By Rob Karner

So what is the status of the fisheries of Glen Lake? Under the leadership of John DePuy and his new fisheries committee, a recent meeting was held to discuss the many issues related to perch and trout. Present at the meeting in addition to the five-member committee was Heather Hettiger, DNR Fisheries Management Biologist, along with Brett Fessell, River Ecologist for the Grand Traverse Band of Ottawa & Chippewa Indians, among others.

The first issue was Cormorants – a diving bird that preys upon fish. In years past, the Cormorant population was so large that it was believed that they alone caused the perch fishing to nearly collapse in Glen Lake. How big are their populations now? Actually, we don't know and thereby there will be careful noting of their numbers and reported on the DNR website where possible action may come into play that will affect their population control program.

The second issue was a new and rare event where perch from Lake Michigan were coming upstream in the Crystal River and staging in large numbers at the foot of the dam. With permission, some of our residents moved these perch into Fisher Lake this past fall hoping to improve the perch population. This may or may not be a good idea to do again based upon the possibility that these perch have diseases that can affect the native perch in Glen Lake. Therefore, some perch samples will be sent to the state labs to determine their health and set the stage for possible future transplanting.

The third issue was to encourage the planting of fish from the DNR to be done at multiple locations

on Glen Lake vs. only doing plants at the Narrows. Also, timing of the plants would be best when the new fish could hide under the ice for a while thereby reducing predation by fish eating birds.

The fourth issue was to discuss the low perch populations in Little Glen. No definitive conclusions were made but causes ranged from invasive species (zebra mussels reducing plankton that in turn reduces bait fish for perch) to predation by Cormorants, to overfishing, to pollutants. The suggestion of imposing size limits on perch was considered. Also, mapping the vegetation on Little Glen may give clues to the issue of habitat loss for perch.

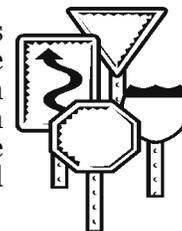
The final topic of the meeting was the connection of Mill Pond to Little Glen. Mill Pond is a place where warm water species of fish have traditionally spawned. This spawning area is now disconnected from Little Glen because the beaver have choked out the connection. Plans are to someday improve the water connection by building a stream that goes under M109. This would be a major project that would require direct involvement with the National Park.

Speed Limits Around Glen Lake

Last fall, the Glen Lake Association formed a committee to look into the possibility of reducing speed limits on certain roads, or sections of roads, around the lake. Many area residents feel that the current posted speed limits are too high, and with the increase in tourism, there are many more walkers, joggers, and bicyclists sharing the roads with cars and trucks.

The committee met twice with representatives from the Leelanau County Road Commission. It learned that the Michigan State Police has the final say on setting the speed limits on public roads in Michigan. The county can ask the State Police to see if a road can qualify for a speed reduction, but that is all they can do. This summer, the State Police will be monitoring Northwood Drive for a possible speed limit reduction.

Unfortunately, getting speed limits changed is a slow process. The committee will continue to work with the county to try and come up with solutions that might get the State Police to look at more roads around the lake.



Still More Glen Lake Association News!

Oak Wilt¹

By David Batchelor, Higgins Lake, MI

Oak wilt is a disease caused by the fungus *Ceratocystis fagacearum*. Symptoms vary by tree species but generally consist of leaf discoloration, wilt, defoliation, and death. Red and white oaks die from the top down and stand out with their dead crowns compared to healthy trees with a green top. The fungus is spread by insects and connections between tree roots.

Oak wilt affects all oak species, but affects white oaks differently than red oaks. The white oaks have rounded leaf edges and red oaks have pointed leaf edges. The red oaks die faster from wilt disease than the white oaks. Red oaks are particularly susceptible and usually die over a single summer. White oaks can live for several years after infection and may only lose a few branches each season.

The oak wilt fungus spreads from the transfer of spores by insects and through root contact grafts. Root grafts are the most common way oak wilt spreads and can extent as much as 50 feet from a diseased tree. Most root grafts form between trees of the same species. Insect vectors like sap beetles are important way the fungus is introduced into new areas.

Controlling oak wilt is done mainly by preventing infection of healthy trees. This includes measures to avoid wounding trees, removing diseased trees and preventing root connections between healthy and diseased trees. Since the beetle that spreads the fungus is active during the warm summer period, it is a good idea to avoid trimming at this time. This will prevent having open wounds on the tree where the beetles will be attracted to sap and can transmit the fungus. If your trees are trimmed or become damaged during this period, make the trim or damaged area clean and smooth. Applying a sealer the same day will help prevent the fungus from spreading.

¹Condensed from "Oak Wilt", Wikipedia, The Free Encyclopedia. The Wikipedia Foundation, Inc., March 17, 2016, <https://en.wikipedia.org/wolo/Oakwilt>



Tree Planting Workshop May 14 hosted by GLA and led by Kama Ross, Leelanau Conservation District

Glen Lake Association Annual Meeting

11:00 AM (Optional Breakout Sessions at 10:00 AM)

The Glen Lake Association (GLA) Annual Meeting will be held on Saturday, August 13th, 2016. The meeting will begin at 10:00 a.m. with three optional breakout sessions followed by the annual meeting at 11:00 A.M. The meetings will be held at the Glen Lake Community School, 3375 W. Burdickville Rd., Maple City. Lunch will be provided for all attendees following the meeting.

You are encouraged to bring a friend—particularly someone who has never attended the annual meeting. **Free tree seedlings will be available for attendees.** Let's start replacing our trees decimated by the August 2015 storm.

The three breakout sessions will be:

–**The new and improved Glen Lake Association website** – Come learn about how to maneuver through the new website, how to utilize the site to pay your annual dues or make a contribution, view community calendars and the current GLA newsletter and learn how to register for upcoming events. An “easy steps” information card will be available on how to understand the site for everyone in attendance at the annual meeting.

–**Swimmer's Itch Update** –Come and learn about the latest findings about swimmer's itch control on Glen Lake. Watershed Biologist Rob Karner will touch on various topics in this session that include current itch research, statewide initiatives, new partner's that are active in reducing swimmer's itch, topical creams, status of neighboring lakes, funding needs, and more. This session will be 45 minutes long and will be a balance of information sharing and answering questions from the audience.

–**Q&As with the sheriff**—The county sheriff will be on-hand to answer your questions about legal issues around the lake.

Board of Directors

The Nominating Committee has selected three individuals to replace a current board member moving off the board at the end of his term and two board vacancies. The membership will have the opportunity to vote on these additions at the Annual Meeting.

Boat Moorings In Front of Cottages

Over the last several years, we have all witnessed larger numbers of boats mooring on the lake, many in front of private properties. The GLA is working with boat rental agencies and the sheriff's department to encourage common sense boat etiquette on the lake. To better educate renters, the GLA has developed:

–Boating Etiquette sheet which lists Michigan Boating Regulations and guidelines for being a good neighbor, and

–Renter's Lake Friendly Best Practices (one page), which provides guidelines for protecting the water

If you rent your property and would like to include these sheets in your renter “Welcome Packet”, please contact the GLA (231-334-7645). We also have refrigerator magnets to remind renters on best practices to protect your septic system.

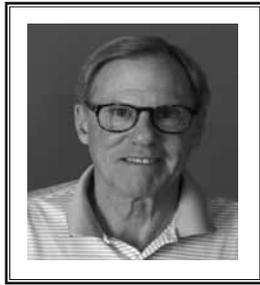
“Working together we can promote boating etiquette on our lake and protect our waters.”

continued...

GLA Board Candidates

Tom Dutmers

The Dutmers family are life long residents of Glen Lake. Tom has spent every summer at the family home, Dunn's Farm. In 2005 Tom, his wife, Monica, and daughter, Molly built their home on the Dunn's Farm property at Glen Lake.



Tom is a graduate of St. Michael's College in Colchester, Vermont (BA 1973) and received a Masters degree from Keller Graduate School of Management, Chicago, Illinois (MBA 1977)

Tom recently retired after almost 40 years in the Reinsurance/Insurance and Financial Service Industry. During his career, Tom served in different management capacities with various subsidiaries of the Aon Corporation, General Reinsurance and Michigan National Bank.

David Hayes

David is an attorney with the national law firm of Clark Hill PLC and works out of its Detroit Office. Dave, with his wife Ginny and their 3 children Dave, John, and Cathy, have been visiting Glen Lake since 1967 and built their house on the south shore of Big Glen in 1986. Their son John has been active in the Association for several years serving on the Water Quality Committee.



David serves as "Of Counsel" in Clark Hill's Construction Practice Group. He has experience as a lead trial attorney in a wide variety of sophisticated and complex corporate and commercial litigation matters in various State and Federal courts involving securities fraud, industrial property tax assessments, corporate takeovers, telecommunications, machining systems, manufacturing contracts, lender liability, class actions, etc.

David is a Fellow of the American College of Trial Lawyers. He is a member of the American Bar Association Forum on the Construction Industry, International Association of Defense Counsel and the State Bar of Michigan. David has also been named in The Best Lawyers in America, as well as Michigan Super Lawyers.

At Wayne State University, he was an Editor

of the Wayne Law Review. He has co-written the Michigan chapters for the 50 State Public Construction Contracting books published by John Wiley & Sons and Fifty State Construction Lien and Bond Law published by Aspen Law & Business. He has also written numerous articles concerning construction law and civil procedure and has lectured on construction law before the Construction Products Council, The Associated General Contractors, The Cambridge Institute, National Business Institute, Lorman Business Institute and the Construction Litigation Superconferences held in New York and California.

Vic Peirce

Vic's family first came to Glen Lake in 1928 when his father traveled with relatives from Chicago by steamer and stayed at the hotel that came to be known as Old Orchard Inn on the west side of the lake. Vic has owned a cottage on the east side of Glen Lake since 1979 where, along with wife Bette, sons Reid and Kyle, the family has spent summers enjoying what this beautiful area has to offer. Vic was introduced to sailing by his father on Glen Lake and he remains an active member of the sailing fleet at Glen Lake Yacht Club. He has been a volunteer with the Water Level Committee of the Glen Lake Association for four years.



Vic is founder and CEO of Hurley-Cheetham Corp, a company started along with Bette in 1985. The company is an operator of Sylvan Learning Centers in the mid-Michigan and Detroit areas, as well as Prometric Testing Centers, a provider of computer-based adult professional certification and licensure examinations. For 15 years he served as Trustee of the Sylvan National Advertising Fund and served two terms as President of the Sylvan Franchise Owners Association. He also served on the board of directors of a Sylvan Ventures company, eSylvan. Vic is a 1974 graduate of Denison University.

BUSINESS PLUS MEMBERS

“Shop Local” by supporting businesses located within our watershed. The following businesses contribute to your lake association at the Sustaining level.

Art’s Tavern

6487 Western Ave., Glen Arbor (231)334-3754

Cherry Republic

6026 S Lake St., Glen Arbor (800) 206-6949

Crystal River Outfitters

6249 W River Road, Glen Arbor (231) 334-4420

CUPA

7281 Brooks Rd., Maple City (231)334-3951

Dorsey’s on Glen Lake

8648 S Dorsey Park Rd., Empire (231) 334-3419

Funistrada

4566 W MacFarlane Rd., Glen Arbor (231) 334-3900

Glen Arbor Property, LLC

Glen Craft Marina & Resort*

6391 S Lake St., Glen Arbor (231) 334-4556

Glen Lake Marine

M-72 in Empire (231) 326-5666

Glen Lake Yacht Club

P.O. Box 463, Glen Arbor

Leelanau Vacation Rentals

P.O. Box 407, Glen Arbor (231)334-6100

Maple Lane Resort

8720 S Dorsey Rd. Empire (231)334-4769

Northwoods Hardware

6053 S Glen Lake Rd., Glen Arbor (231) 334-3000

Riverfront Pizza

6281 Western Ave., Glen Arbor (231)334-3876

Steinbeck Builders

7949 W Day Forest Rd., Empire (231)334-4307

The Cottage Pros

7689 Ingleston, Beulah (586)383-5494

Williams & Bay Pumping Services

P.O. Box 247, Cedar (231) 228-7499

* Special thanks to Glen Craft Marina and Resort for providing a complimentary slip for our new boat in their protected harbor along with complimentary winter storage. We appreciate your generosity and support.

Discovery Boat Program

The Discovery Boat Program (formerly the “Schoolship Program”) is designed to provide hands-on educational opportunity for everyone aboard a 22 foot pontoon boat on Glen Lake. Join Rob Karner, GLA Watershed Biologist and his assistants Laura Wiesen and Joe Blondia, for a two-hour cruise to discover many of the secrets of how and why Glen Lake is so unique and pristine. Many argue that Glen Lake is one of the most beautiful inland lakes in the country, and we will explore the many reasons why that might be true.

The curriculum varies each week and is tailored to the interests of the participants of each session. Topics range from discovering how the glaciers form the lake and surrounding hillsides, wetlands, and streams to the chemistry of the water to the biology of the plants and animals, to the ecology of how all the parts work together and finally, how the political forces are at work within our watershed. The life cycle of swimmer’s itch and how to prevent getting it will also be covered.

Discovery Boat activities during the cruise include but are not limited to making visual observations, reading the water clarity measurements, analyzing chemical properties using the hydrolab, taking bottom samples of the lake with a mini dredge, doing a plankton tow, and bringing up from the lake bottom aquatic plants and animals for identification.

Registration and payment for the Discovery Program can be done on-line using the Glen Lake Association’s website:

www.glenlakeassociation.org/services/discovery-boat/

Bring your family for both a fun and educational experience on the Lake. Program dates are July 1,8,15,and 29th and August 5th. Reservations are on a first come, first served basis.

Costs for the program will be \$10 per person for members of the Glen Lake Association and the Glen Lake Yacht Club, and \$25 per person for all others.

Calendar of Important Events

(See www.glenlakeassociation.org/calendar for details on these activities)

Leelanau Conservancy Native Plant Sales	June 5th
Choosing Plants, Shrubs and Trees for Your Shoreline	June 18
Forest Understory and Habitat Workshop	June 25
Discovery Boat	July 1
Discovery Boat	July 8
Hazardous Waste Collection (Leelanau County Government Center) Must call 231.256.9812 to sign up	July 9
Discovery Boat	July 15
Discovery Boat	July 29
Discovery Boat	August 5
Glen Lake Association Annual Meeting	August 13
Hazardous Waste Collection* (Peshawbestown)	August 27
Forestry & Wildlife Habitat Field Day	September 10
Forestry & Wildlife Habitat Field Day	September 17
Hazardous Waste Collection* (Elmwood Twp.)	October 8
Leelanau Clean Water	Monthly (3rd Thursday)

Rob Karner doesn't waste any time!

As soon as the snow goes he is out looking for mergansers.





P.O. Box 245
Glen Arbor, MI 49636

U.S. Postage
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Glen Arbor, MI
Permit No. 22



General Boxholder
or Rural Route Holder

Summer 2016

GLEN LAKE ASSOCIATION 2015-2016

BOARD OF DIRECTORS

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Bill Witler	Vice President
Sue Lake	Secretary
David Herr	Treasurer

DIRECTORS

Bob Boles	Renae Ihme
Cara Cassard	Cal Killen
John DePuy	Bill Meserve
David Hayes	

Watershed Biologist	Rob Karner
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Auxiliary Development	Joan Kramps Charles Ofenloch Sue Lake David Herr
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Finance & Investment Fisheries, Wildlife, Recreation & Water Safety Historian Invasive Species	John DePuy Joan Kramps Mike Litch Sarah Litch
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Long Range Planning Membership & Records	Denny Becker Cara Cassard Bill Witler
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Newsletter Nominating Public Relations Water Level Water Quality Web Site Webmaster	Susanne Meserve Andy DuPont Bob Boles Bill Meserve Cal Killen Cara Cassard
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