



KLA ANNUAL MEETING

The 2021 meeting will again be presented on ZOOM. A pamphlet will be sent to all members containing directions to access the meeting, the agenda, board slate for 2021-22 and committee reports. It will also contain a voting proxy which we ask that you mail back to us.

We hope next year to be able to again meet in person!!

KLaeidoscope of Keuka 2022

The new 2022 calendar is available for purchase! Currently it is available at Longs' Cards and Books in Penn Yan and, soon, will be available in other stores and wineries in the area. See article on page 12 for further information on the photos selected.

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PRESIDENT'S REPORT - RAY DELL



How many times in the past several months have we said, "I can't wait until summer is here!?" The long-awaited summer of 2021 has finally arrived!

Over the last 18 months, we all changed our everyday routine and life took on different perspective. The KLA Board of Directors took a long hard look at our mission:

Our mission is to preserve and protect Keuka Lake and its natural beauty for future generations.

"To preserve and protect" is the core of our mission and we are moving forward to ensure that we, as an organization, is dedicated to the lake that we love. The KLA has monitored the lake water for decades and recently monitored the inflow (creeks and streams) to determine the concentrations of contaminants, which can damage the water that we drink, swim in and take for granted. Several years ago, we started monitoring the lake's shoreline for harmful algae blooms (HABS) that can cause respiratory issues in humans and severe sickness in our pets.

In 2020, the KLA & Cornell Cooperative Extension lake monitors located starry stonewort (SSW) that had entered the lake in the Branchport area. The KLA board thoroughly studied the infestation and decided that a plan of containment and harvesting is necessary before another season allows SSW to spread. This summer we will be working, with the approval and under the guidance of NYS Department of Environmental Conservation, to take a three-prong approach to the containment of this highly invasive macro alga. As the summer proceeds information on the steps we are taking will be posted on our website and communicated to our members through email.

In addition to the SSW containment project, the KLA will be conducting water sampling, stream monitoring and shoreline monitoring programs. These three programs rely on volunteers to succeed. If you could spare one or two days during the summer to volunteer collecting water samples, please contact us and bring a friend!

We must remember "Our mission is to preserve and protect Keuka Lake" is also your mission.

KEUKA LAKE
 DIRECTORY



2021

We hope you will enjoy you 2021 KLA Directory! We had hoped to have this done and available a year ago, but Covid got in the way.....Many hours of love and labor were put in to this publication. If you see an error, we are sorry, but please email the KLA Office and let us know. We will publish corrections in the September newsletter. Thanks to our contributing Board members, to Cathy Walton for the cover photo, to those who shared their cottage names, to Rob at Wilson Press and to our sponsors, who made this publication possible!

Starry Stonewort Control-Project Description

Maria Hudson, Co-Chair, KLA Water Quality Committee



The objective of this project is to control the spread of newly discovered infestations of the highly invasive macroalgae starry stonewort (*Nitellopsis obtusa*, SSW).

SSW has a negative impact on aquatic ecosystems, forming dense mats that crowd out native aquatic plant species that provide food and shelter for invertebrates and fish. Displacement of native aquatic plant species by SSW also interferes with fish spawning and nesting sites. Dense infestations can grow to reach the waterbody surface, blocking sunlight and reducing levels of dissolved oxygen required by other aquatic organisms. SSW also has negative impacts on recreation, as dense mats make boating, fishing, and swimming difficult. SSW is spread by fragmentation and also by tiny bulbils in which it produces and get trapped in the sediments. There is currently no known means of eradication of SSW and therefore, prevention of spread is critical.

In 2020, it was discovered that SSW had migrated from the inlet Sugar Creek, into Keuka Lake! A special task force was formed to research best practices to manage and control SSW and secure any available funding. In January the task force met with NYS Department of Environmental Conservation (DEC) and local officials to determine what would be necessary for compliance and permitting. By early spring we had come up with a plan of attack, applied for and received a \$10,000.00 grant from the Finger Lakes Partnership for Regional Invasive Species Management (FLPRISM) and are now implementing the project.

The main elements of this project are Surveillance, Benthic Mats (trial) Harvesting, Algaecide treatment, and Education. This project will be conducted with the guidance and approval of NYS DEC, the Town of Jerusalem, FLPRISM and the SSW Collaborative. A final report and video presentation of results will be developed and shared with all our local, regional and state partners to help further research and development of techniques to control SSW.

SURVEY I – mid-June-early July

Kayaks will be employed to search for signs of SSW along the shores of Sugar Creek and outside the mouth of SC in the lake. Kayakers will perform rake tosses to identify the SSW and other aquatic plants. Use of an underwater camera will help determine location and density. Confirmed SSW sites GPS coordinates will be documented by Trimble. Video drone surveillance will also document the sites. SSW and any other AIS will be reported thru iMapInvasives, an online reporting platform thru FLPRISM.

SIGNAGE/BUOY- mid-June- early July

Warning buoys will be placed in the lake to keep boaters and fishermen off away from the SSW sites to help prevent spread by swimmers or watercraft. Educational signage will be posted at the boat ramp to warn of Aquatic Invasive Species (AIS) in general and SSW in particular and “Clean/Drain/Dry” watercraft practices.

BENTHIC MATS - early July

Marine Blue, a company out of Canandaigua will install two-three trial benthic mats in locations to be determined by previous survey along the shore and in the lake. Mats are relatively inexpensive but have unknown effectiveness on SSW.

Diver Assisted Suction Harvesting (DASH) – mid-late July

DASH will be performed by ILM, a company from Illinois, with extensive experience in harvesting AIS. Control of SSW in the lake and creek using DASH will reduce biomass with little disturbance to soft sediments, preventing spread of SSW by fragmentation and/or bulbils. The operation will be permitted by the DEC. ILM has developed a new innovated harvesting method for SSW. Over the course of 5 days, the ILM team will work off a pontoon boat to remove up to 90% of SSW biomass from the sites identified. The SSW will be hand pulled by divers from the sediments “roots and all” and fed into a suction hose. It is then suctioned up and deposited onto specialized filter trays on the boat above. The first coarse filter tray will be sifted for incidental fish and invertebrates that were caught up which are returned to the water. The SSW bulbils will be sifted out in a secondary tray to be sure they are captured along with the rest of the biomass. The biomass will be transferred into buckets to drain and be transported to shore. On shore the dewatered biomass will be loaded into a truck and transported for composting. The operations will be documented by underwater camera, drone and camera.

Continued on page 3

Starry Stonewort Control-Project Description—continued**SURVEY II – early Aug. at least 2 weeks after DASH**

A follow-up survey on kayaks will look for signs SSW regrowth or spread. Again, the sites will be documented by GPS and photography. Rake tosses will be performed to confirm SSW and other AIS which will again be reported to iMapinvasives.

ALGAECIDE – mid-late August

Recent research from the University of Minnesota has indicated harvest of SSW by DASH followed by algaecide treatment was associated with lower bulbil viability and therefore lower regrowth. A copper-based algaecide will be applied to remaining SSW and any new regrowth or spread as identified in Survey II and possibly a follow-up application. The DEC permitted algaecide treatment will be performed by Solitude, a highly recognized and experienced company. The application will be targeted to the SSW infestations only and is not harmful to other organisms. Use of the water for drinking or recreational purposes after application will not be limited.

SURVEY/MONITORING III – late August-mid-Sept.

Monitoring of Sugar Creek and the lake will continue to document signs of SSW regrowth and/or other AIS. These final surveys will document the success of the remediation efforts and provide a base for follow-up next season.

REPORTING – monthly June-Sept. November Final Report

Monthly updates will be written and reported in the e-newsletter, printed newsletter, social media and the press. After each remediation effort, a report will be issued highlighting important information. A final report consisting of a poster and video presentation will be issued to the FLPRISM, the NYSDEC and regionally to the other Finger Lakes by the end of November.

Water Quality Monitoring, 2021—Maria Hudson

As the summer begins, so do our Water Quality Monitoring programs! The purpose of these programs is not only to identify pollutants or algae but to look for water quality trends. It is important to monitor parameters such as clarity, nutrients and chlorophyll to understand the health and ecology of the lake. By “keeping an eye on” on our lake waters and watershed streams we can uncover possible problems and vulnerabilities. The KLA has a long history in the Finger Lakes as a front runner in water quality monitoring and we continue to add to and improve our volunteer citizen scientist programs. Knowing the trends allow us to continue to preserve and protect Keuka Lake.

Lake water quality monitoring, an ongoing 30-year program to sample and test the lake waters. Once a month April-October 3 samples are taken at 4 open water sites in the NW, NE, S branches and a central site at 1 meter and 35 meters and a composite from 1m-10m. Clarity is measured with a Secchi disc. During June- August we also take a plankton pull. Additional shallow water samples are taken at 4 shoreline sites. Analyses are performed at EPA certified Community Science Institute (CSI) for nutrients, including soluble reactive phosphorus, (SRP) field filtered, chlorophyll, and chloride. *New in 2021 we have purchased a sonde, an instrument which can be dropped into the water to measure temperature, pH, conductivity and chlorophyll (including “blue green” an indicator of harmful “algae”)*

The KLA also participates in the NYS Federation of Lake Associations Citizens Statewide Lake Assessment Program (CSLAP). Samples are taken and clarity measured twice a month June-Sept. at the central site and analyzed by state lab for similar parameters. A yearly report is issued which compares Keuka to other regional lakes and follow water quality trends.

Stream water sampling was initiated in 2018 to monitor water coming into the lake from the watershed. Three years of sampling at 8 sites in the Inlets and two glens on the east and west sides was completed in 2020. Sampling was performed by volunteers according to a strict DEC protocol. *New in 2021, we will begin sampling at 8 different streams. These streams were selected to monitor inputs into areas that tend to have issues such as Harmful Algal Blooms (HABs) or high erosion and/or agricultural runoff. Also new, we will participate in DEC’s Water Assessment by Volunteer Evaluators (WAVE) to look at benthic invertebrates in streams which are a strong indicator of water quality.*

Monitoring for Harmful Algal Blooms (HABs) is performed by trained volunteers along their shorelines. Samples taken of blooms are analyzed at the Finger Lakes Institute by fluoroscope for levels of blue green chlorophyll and species of cyanobacteria. *See article on page 4 by Cornell Cooperative Extension’s Laura Bailey.*

KLA Watercraft Steward and Shoreline Monitoring Programs in 2021

Laura Bailey, Cornell Cooperative Extension of Yates County Natural Resources Educator



Watercraft Steward Program – KLA will hire three full-time watercraft stewards for the 2021 season. Steward coverage at Keuka Lake launches is funded by the New York State Department of Environmental Conservation (NYSDEC) Invasive Species Grant Program and will begin Memorial Day weekend. Prior to the start of the program, stewards will be provided training through Finger Lakes Institute (FLI) as they have in years past, but this year, same as in 2020, training will be held online. Plans and protocol for use of personal protective equipment (PPE), social distancing practices, and other safety measures will remain in place for each of the Keuka Lake launch sites covered by watercraft stewards including Keuka Lake State Park, Penn Yan Village, Town of Urbana, and during kayaking events, the Finger Lakes Museum. NYSDEC will provide watercraft stewards with masks. Other safety measures being implemented to help protect the health of both stewards and launch visitors may include increased signage reminding visitors to practice social distancing, as well as how to perform a boat inspection with steward guidance from a safe distance rather than stewards coming into close contact with watercrafts. This year, we will resume distribution of educational outreach materials to visitors at the launches but continue with our increased outreach through online and social media outlets.

Shoreline Monitoring Program – Volunteers of the Shoreline Monitoring Program will continue to monitor their shoreline area for the occurrence of HABs and record results in an online survey form developed by Seneca Lake Pure Waters Association (SLPWA), beginning in early June. Educational outreach about HABs is an important objective of the program, however, due to concerns of potential transmission of COVID-19 through contact with educational materials, volunteers will be provided online links to information that they can share with others to help in efforts to educate about HABs. Training for new and returning volunteers will be provided online through KLA and Cornell Cooperative Extension (CCE) of Yates County.

We are looking to add more volunteers to the program! Since its inception in 2019, the program has grown to almost 60 volunteers around the lake monitoring for and collecting information and samples of HABs. Collecting information about the occurrence of HABs and the locations and conditions of when they occur, will contribute to research and a better understanding of the many factors that contribute to their occurrence.

If you aren't familiar with the program yet, volunteers check their shoreline at least once a week from late spring through fall (or for the duration of their time at the lake for the season), typically when conditions are most conducive to formation of a bloom (i.e., warm, sunny, calm weather) and record in an online survey if there was or wasn't a bloom present. If there is a bloom present, a sample might be collected for testing of blue-green algae chlorophyll levels at FLI to confirm that it was a bloom and monitor levels of blue-green algae chlorophyll seen throughout the year.

NAVIGATION & RECREATION—STEVE HICKS**Annual Navigation and Recreation Committee Luncheon with the Marine Patrol**

On May 6th the KLA Nav & Rec committee met over lunch with the Steuben and Yates County Sherriff's Marine Patrol and the NYS Department of Environmental Conservation Lake Patrol Officers (ECO) who patrol Keuka Lake. This is an annual tradition that covid caused us to miss last year.

Below are some of the highlights.

KLA Annual Meeting: As in prior years, the county sheriffs and the ECO are invited to the KLA annual meeting – scheduled for July 10, 2021. This year's annual meeting will again be virtual, and participation by these officers is still being discussed.

Coverage Area & Patrol Hours: No changes planned in coverage for 2021 as both Steuben and Yates County Sheriffs lake patrols can overlap and cover all areas of the lake. Both sheriff agencies coordinate their patrol schedules and increase patrols when there are "special events" on the lake.

The DEC ECO also patrols the lake with their boat and at times will ride with the sheriff's marine patrol as needed. The patrol hours and amount of time spent on the lake by the sheriffs and ECO will remain about the same as last year. The sheriffs also plan to continue their past practice of coordinating messages regarding safety restrictions due to high or low water conditions.

5. 200: The law enforcement officials encouraged the KLA's efforts (decals, lawn signs etc.) to promote the New York State law that requires boats travel at 5 MPH or less within 200 feet of moored boats, floats and dock ends in Keuka. They stressed that efforts to promote awareness with renters on the lake would be the most effective. For those who want to place buoys in the water as a reminder, please note that buoys placed more than 100 feet from shore require an application and NYS approval.

Invasive Species & Starry Stonewort (SSW): President Ray Dell updated the law enforcement officials on the KLA's efforts to eradicate SSW particularly near Sugar Creek; and the continuation of the Boat Launch Steward program.

Cisco fish: According to the DEC, more Ciscos were not planned to be added to the lake at this time but many fishermen have reported seeing Ciscos which means they are most likely not being consumed in mass and are reproducing. DEC will continue to monitor them.

Wake Boats: The committee stressed the KLA's concern about the noise and damage done to the shore by wake boats. Provided the operators of these boats are operating within the law (e.g. outside of 200' from shore), there is little law enforcement can do. There was discussion about requesting changes to NYS law requiring these boats to operate further from shore than 200 feet. If you know people who operate wake boats, perhaps you can remind them of the shore damage done by these boats and ask that they operate as slow as practical and in the middle of the lake to minimize any erosion. Here is the link to a BoatUS article on proper etiquette that originated from Smith Mountain Lake in Virginia:
https://www.boatus.com/expert-advice/expert-advice-archive/2019/february/wakeboat-etiquette?utm_source=bmag&utm_medium=email&utm_campaign=magazine

New Laws: There is a new boating law in Federal waters- all operators of recreational boats less than 26' in length that have an engine cut-off device installed must utilize the engine cut-off switch link. The sheriffs confirmed that this law does not apply to Keuka (unless/until local municipalities adopt it) but it is recommended as a piece of lifesaving equipment. There are no other new laws that went into effect this year.

Fishing and Boating laws: With assistance from the sheriff's office we updated the KLA's summary of the boating regulations; and with input from the DEC, our fishing regulations summary was also updated. Both are available on the KLA website. The KLA will again be distributing 1400 copies of the boating and fishing regulations to various venues around the lake and we encourage any KLA members who rent their property to make copies available on site. (See pgs.12 &13 in this newsletter)

House Boats: The Committee raised concerns about the possibility that certain boats may be dumping waste into the lake particularly if the marina where the boat is docked does not offer a pump station on site. The DEC has jurisdiction regarding this issue but could only take action if there is evidence of a violation.

Boater Safety Courses: Both county sheriffs will offer Boater Safety courses this spring. The schedules for all courses in the area are posted on the KLA webpage. <https://www.keukalakeassociation.org/post.php?id=131>

County/State Funding for Marine Patrols: New York State's budget maintains the 50% reimbursement to the counties for Marine Patrol operations.

NAVIGATION & RECREATION CONTINUED – STEVE HICKS

Spring 2021 Sheriffs Navigation Report Update - From Boating Season 2020

The following activity levels were reported by the Steuben and Yates County Sherriff’s marine patrols for 2020. About 85 % of the activity applies to Keuka Lake, but the marine patrol’s responsibilities covered other areas including Waneta, and parts of Seneca and Canandaigua Lakes.

Vessel Patrol Hours	865
Man Hours Aboard Vessel	2269
Total Marine Law Enforcement Hours	2714
Vessel Insp. (water, launches, marinas)	991
Warnings Issued	196
Arrests/Citations	38
reckless op & excessive speed	17
insufficient Life Jackets on board	49
Life Jacket Wear	1
safety certificate infraction	7
BWI Arrests	0
Accidents Investigated	2
Search & Rescues Conducted	4
Stranded Boater Assists	63
Visual Distress Signals	35
Sound Producing Device	5
Fire Extinguisher	7
Navigation Rules	27
Registration violations	23



Reminder: The KLA Invasive Species team has identified a “reverse prop” area in the Keuka Outlet in the area of the old Penn Yan Boat Works property. The intent is for vessels heading out into the lake to go into reverse for a short period to drop off an remnants of Starry Stonewort that were picked up at the launch ramp. There is a buoy and sign placed in the area of the outlet and signs placed at the launch ramp explaining the reason.

Please note that any 'warning' could easily be written as a 'citation' and ticket. Vessel Inspections include “drive by” observation of proper number of Life Jackets on board (including on Stand up Paddle Boards) and being worn, but a “stop and board” inspection will include all required safety equipment, so it is important to be up to date.

2nd Annual KLA & LCC Golf Tournament July 12, 2021



\$100/Person 9 AM Registration 10 AM Shotgun Start
 \$400/Team Includes: tee prize, lunch, drinks on the course, appetizers & prizes following golf
HOLE-IN-ONE ON #9 WINS A BOAT!!



Name & Phone Number:

1. _____
2. _____
3. _____
4. _____

Checks can be made out to Keuka Lake Association and mailed to PO Box 35, Penn Yan, NY 14527. Indicate “KLA-LCC” on your check.

Corporate & personal hole sponsorship is available. Call 315-694-7324. All proceeds benefit the Keuka Lake Association and Lakeside Country Club.

DID YOU KNOW?

New York State law requires boats travel at 5 MPH or less within 200 feet of moored boats, floats and dock ends.

The KLA has been working with local sheriffs to increase awareness of this law; and the problem and danger with the speed of boaters near the shoreline of the lake as well as docks and other structures. Excessive speed, in excess of 5 miles per hour, near these places puts swimmers at risk, creates a collision risk with other boats entering and exiting docks and hoists, and causes potential damage to shoreline property.

Since most vessels have speedometers which do not register at low speeds such as 5 mph, a simple “rule of thumb” is if you are creating a wake behind your vessel, you are exceeding 5 mph.

Hopefully you have seen the “5,200” oval car and boat stickers and lawn signs around the lake, designed to increase awareness of this law. The goal is to simply educate and raise awareness of this law to those who may not be aware of it. We have made these stickers available to marinas and launches around the lake as well as merchants that sell our annual calendars. The KLA is providing these at no charge to the community. We hope you will put one on your car, boat or any location that can help raise awareness.

Rentals

If you have rental properties, perhaps one on a bulletin board, sliding glass door or refrigerator. Or better yet, add a notice to your lease agreement. According to law enforcement, most violators of this law are renters!

Help spread the word about this law.

Tell your tenants, neighbors and friends...especially those who may be new to the area.

Let anyone new to the lake know about this law...

Protect our shoreline from erosion- and help keep swimmers safe!

Contact the KLA for decals and lawn signs- you can put 'lawn' signs on your dock.

Remember- it's 5 MPH within 200 feet (many other lakes have a 100 foot rule- Keuka is 200 feet)

And get creative and post a picture of your sticker on social media to help us further spread the word!



LED Flares - A Cleaner Alternative



We all enjoy lighting flares on the shoreline at dusk during the July 4th and Labor Day holidays. It creates a sight that you won't forget and has been the backdrop for some great Keuka Lake photos over the years. With that said, we are also grateful for the beauty and pristine waters of Keuka Lake, and the use of these chemical flares, although common, does create some hazards as well as introducing toxins to our lake.

These emergency road flares are classified as a “Flammable Solid” and must be stored, cared for and disposed of properly. When ignited, they give off a toxic smoke of potassium perchlorate (PP) and strontium nitrate (STN) that can burn eyes/lungs/ clothing/skin. In addition to PP and STN, sulfur and paraffinic oil are major components of these flares. These compounds are “*acutely toxic in aquatic environments to fish and phytoplankton*”. Also, STN and it's by product Potassium Nitrate, are easily dissolved and mobile in water. All in all not good for our lake.

There is a cleaner alternative! LED flares are an innovative opportunity to keep our lake's waters clean from dangerous chemical residues. Obviously, they do not emit hazardous flames or smoke and are indefinitely reusable, requiring 3 AAA batteries. In addition, they are waterproof and much brighter than chemical flares. LED Flares are available online and this season at local Wegman's. Wegman's has agreed to donate \$1 to the KLA for every LED bought at the Hornell and Corning stores, and a share (with Seneca Lake) of those bought in the Geneva store. These flares are very affordable and reusable, saving the environment and dollars.

Please consider switching to using LED flares in 2021 !

Seneca-Keuka 9E Plan Update

Steve Butchko-KWIC, Mark Morris-KLA and Colby Petersen KL
Watershed Manager



These articles were published in the March 2021 Seneca-Keuka Watershed Partnership Newsletter which can be seen at: <https://senecawatershedio.files.wordpress.com/2021/03/seneca-keuka-watershed-partnership-march-newsletter.pdf>

Note from the lake specialists:

We Want to Hear from You!

Hello reader and thank you for your continued interest in our watershed! In this edition we have a special request... **we want to hear from you on what you think needs to be done to improve and protect the watershed.** One of the fundamental elements of watershed planning is identifying the actions that can be taken to positively impact watershed resources. Actions can cover a wide array of categories that have the potential to impact water quality including, but not limited to, engineered systems, active management techniques, educational programs, local laws, and research. Remember that one of the principal reasons for developing a 9E is to help secure additional funding. If an action is identified within an approved 9E, identifying it *now* will help make it happen in the future. We have developed a chart that you can fill out with ideas you have for the watershed. Go to https://senecawatershedio.files.wordpress.com/2021/02/9e_actions_newsletter.pdf to directly access the template on the Seneca Watershed Intermunicipal Organization (SWIO) website or see the next page in this newsletter. You can either email or mail the form to Colby Petersen (address and email are below). We will be compiling recommended actions throughout the next several months. Please send us ideas and input. In the fall we will be hosting our second public outreach event where we will present the list of recommended actions as well as the resulting impact expected from modeled actions.

As always thank you for your interest and participation in the development of the Seneca-Keuka Watershed 9E!

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Recommended Actions: Seneca-Keuka Watershed Nine Element Plan

Instructions: Provide as much information as you can but partial information is fine. Project ideas can be general or extremely specific; for example you could say: *reduce streambank erosion around the watershed*, or *reduce streambank erosion along Sugar Creek upstream of County House bridge with State and Federal dollars*. We'll take on the task of grouping and categorizing ideas for simulation and prioritization as applicable. And don't be afraid to think outside the box!

Location	Problem Description	Corrective Action	Who Pay For It
<i>Example: Sugar Creek</i>	<i>Streambank erosion and sediment</i>	<i>Stream restoration</i>	<i>State and Federal grants</i>

Cont. on page 9

9E Continued

Lake Monitoring

Monitoring lake conditions is crucial to identifying the problems and figuring out a solution. Keeping up to date with the science of our water quality is essential.

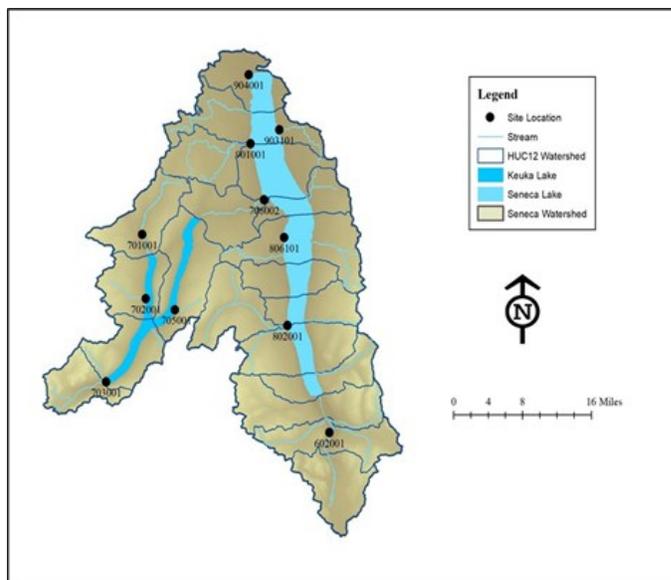
2020 9E Monitoring

The statistician George Box popularized the saying “all models are wrong, but some are useful.” He and others recognized that models will always fall short of the complexities of reality but can still be useful if they are capable of replicating at least some of this complexity. A common everyday example includes weather forecast models. While hardly 100% accurate, they are accurate enough with their predictions these days that people can plan a winter weekend to the Adirondacks to take advantage of predicted snowfall or rethink that upcoming Outer Banks trip if a hurricane is on its way. Model accuracy is heavily dependent on the availability of data collected from the real world. The Soil & Water Assessment Tool (SWAT) model developed as part of the Nine Element Plan (9E) uses multiple types of data to explain watershed conditions and test impacts of proposed future actions. As the name suggests, water quality data is one of the most critical components of its design. With this in mind, the 9E partnership group, Department of Environmental Conservation (DEC) Finger Lakes HUB staff, EcoLogic LLC and Anchor QEA developed a water monitoring strategy for 2020 to address the gaps in existing datasets and ensure the SWAT model will meet our performance standards.

To inform management decisions, water quality data needs to address two key questions: how much of something is in the water; how much does this impact water downstream? You need to know both the concentration (mass of something within a known volume; i.e. pounds per gallon) and the load (mass of something flowing downstream over a length of time; i.e. pounds per day) to answer these questions. Seneca Lake Pure Waters Association, Keuka Lake Association, Hobart and William Smith Colleges, and others had collected some of this data, particularly concentration data, in the past at certain locations. This was the starting point for our monitoring plan since we wanted to be able to incorporate historical data. From this point we selected 11 sites that had previously been monitored and were relatively characteristic of the diversity around the watershed. With the *where* figured out, we then had to figure out the *how*. At each of the sites, 4 baseflow samples (collected during times when no surface runoff is contributing to a stream) and 2 stormflow samples (collected during periods of significant rainfall and surface runoff) were collected between March and November. For the first time, two high intensity storm samplings were also conducted at two of the sites. For these samplings, water samples are collected every few hours over a 24-hour period starting just before a heavy rain event. This type of sampling, while extremely labor intensive and costly, greatly increases our understanding of how pollutants make their way into a waterway. Once collected, all samples were analyzed at the Community Science Institute in Ithaca for a mix of nutrient and sediment parameters. This gave us a good understanding of concentrations around the watershed under various conditions.

The other data component needed was stream discharge; i.e., the amount of water moving down a stream at a given time. Historically this data was very limited around the watershed with the United States Geological Survey (USGS) gauge on the Keuka Outlet the only reliable record. Fortunately, USGS installed gauges on Catharine Creek and Sugar Creek in 2019 and we were able to handle the rest. We opted to install our own continuous monitoring systems in all but one location (Eggleston Glen) where it was not feasible and by the end of October, we finished up our field season and removed all the equipment.

With this data in hand, the modelers worked to incorporate it into the model design and we are now hitting our performance targets. So, while it can be argued that our model is wrong, we can confidently say it is useful and will be a powerful management tool moving forward.



2021 Update on Agricultural Conservation Projects in the Keuka Lake Watershed

Tom Eskildsen, Senior District Technician, Yates County Soil & Water Conservation District

Since my last update approximately one year ago, a significant amount of work has been implemented on farms in the Keuka Lake Watershed. A grant awarded from NYS for \$387,000 has had implementation started and two new grants have been awarded to local farms in the watershed. These grants are all part of the NYS Agricultural Environmental Management program which was piloted in the Keuka Lake Watershed in 1997 and is now being implemented across the state.

The new implementation grant from NYS has had a fantastic construction season over the last twelve months. Seven farms have implemented over \$170,000 in agricultural conservation projects. These projects have ranged from soil erosion control to livestock heavy use area protection to vineyard sprayer improvements. Projects implemented have totaled:

- Diversion ditching – 2,200 feet. Diversion ditches safely transfer stormwater runoff away from agricultural lands to a stable outlet. Diversion ditches are a critical tool utilized at controlling soil erosion.
- Agricultural roadway erosion control – 1,000 feet. Farm roads can take a significant amount of abuse during harvest season, often during wet times of the year. This can lead to severe erosion issues over time. Reconstruction of the roadways often includes implementation of large underground pipe to transfer stormwater runoff to a stable outlet beneath the road.
- Vineyard mulching – 19 acres. Installation of hay mulch to vineyard row middles has significant benefits. The mulch provides excellent erosion control while also improving soil health allowing for improved infiltration of runoff.
- Livestock Heavy Use Area Protection – 1 project. Heavy abuse areas from livestock can lead to significant runoff concerns due to increased concentration of manures and a lack of vegetation. A project was installed that included: subsurface drainage to alleviate groundwater seepage concerns, underground piping to convey clean surface water under the area, installation of gravel in high traffic areas, and a covered barnyard and manure stacking area. This project will allow the farm to store manure inside on concrete and give some extra space for cattle during inclement weather.
- Vineyard sprayer upgrades – 2 sprayers. Traditional air-blast vineyard sprayers can waste a significant amount of material to environmental losses which is bad for both the farm and the watershed. 2 farms have purchased new sprayers which will result in better deposition of sprays therefore reducing environmental losses.

The Yates County Soil & Water Conservation District has also been awarded two new grants to farms in the watershed through the Climate Resilient Farming program implemented by NYS. These grants will begin implementation either fall of 2021 or spring of 2022. The first grant is for \$127,000 and will purchase a specialized mower for vineyards to utilize. This mower will allow vineyard farms to mow vegetation underneath the vines. This area is traditionally sprayed twice per year and left bare accounting for almost 1/3 of the vineyard area in bare soil. This mower will allow the farms to seed this area to permanent grass protecting against erosion and allowing for reduced chemical usage.

The second application is for \$57,000 and will work with one farm on application of mulch, compost, and bio-char to sequester atmospheric carbon. Soil has a tremendous capacity to sequester harmful carbon emissions in our atmosphere within itself. This farm will utilize a variety of methods and study efficacy of each of them. Sequestered carbon in the soil transfers to improved organic matter allowing for improved plant growth and infiltration of runoff.

PROJECT PHOTOS ON THE FOLLOWING PAGE

Photo's of 2020 implemented projects

Diversion Ditch



Farm roadway



Farm roadway



Vineyard mulching



Vineyard sprayer



Cattle Heavy Use Area Protection



Cattle Heavy Use Area Protection



Cattle Heavy Use Area Protection



**KLAEIDOSCOPE OF KEUKA 2022 -
CALENDAR PHOTO CONTEST**

The calendar committee wishes to thank all who contributed to the photo contest for the 2022 KLAEidoscope of Keuka calendar. As usual, there were many great entries and we had a hard time picking winners. Photos not chosen for calendar may show up in our newsletters, brochures and web-site. Please continue taking and submitting your **3** photos of Keuka Lake and the surrounding areas. Also, please let us know where they were taken. We enjoy finding out if we guessed the right places when we look at them! Below are the monthly and over-all winners for our 2022 calendar. Winners will be announced in the Annual Meeting pamphlet.



High Above Hammondsport, Winding Stairs Road

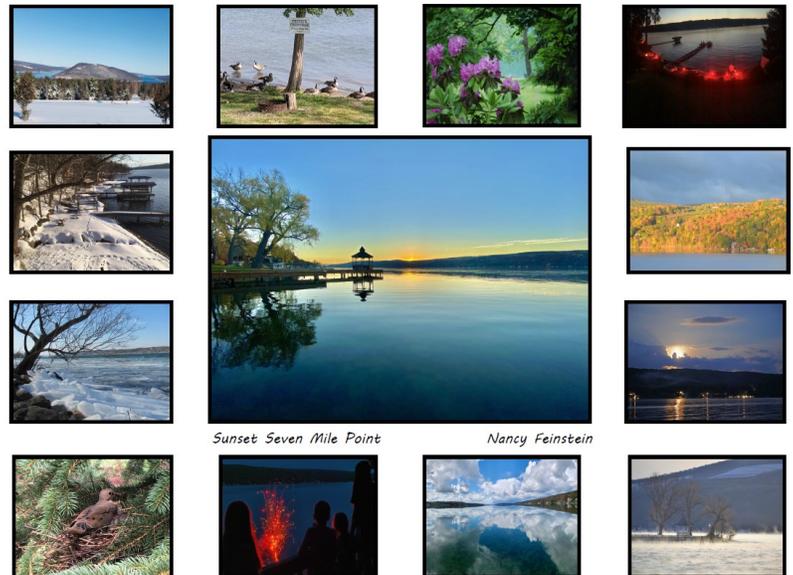
Ken Nykiel

Cover	High above H'sport, Winding Stairs Road	Ken Nykiel
January	View from Silsbee Road	Ken Nykiel
February	Winter Visitors	Jan Williams
March	Ice Breaking on Shore	Carolie Simone
April	Hide and Seek	Jan Williams
May	Sharing the Beach	Pam Howitt
June	Peaceful	Christine Stocking
July	Sparkler Time	Anne Carney
August	Reflections from Indian Pines	Ray Dell
September	Ring of Fire	Tanya Loomis
October	Fall Hillside	Candy Dietrich
November	College at Night	Mike Carney
December	Foggy Start	Candy Dietrich
Back Cover	Sunset Seven Mile Point	Nancy Feinstein

**Alexander & Esther Wahlig
Keuka Lake Watershed
Scholarship Winners for 2021**

Congratulations to

Mya Rusack
Haverling High
School, Bath
&
Andrew Hill
Hammondsport



Sunset Seven Mile Point

Nancy Feinstein



PLEASE TEAR OUT PAGES 9 & 10 TO KEEP HANDY FOR YOU, YOUR FAMILY AND YOUR GUESTS

Boating Regulations for Keuka Lake 2021

Revised & Updated April 1, 2021

Published as a courtesy by the Keuka Lake Association and DOES NOT supersede NYS Law
See https://www.nxtbook.com/nxtbooks/nysparks/ny_boatersguide_21/ for latest edition of the NYS Boaters Guide)

Powerboat Operation – New Requirements under Brianna’s Law: Persons born on or after January 1, 1993 must have successfully completed a New York State approved / NASBLA, Power Squadron, or Coast Guard Safe Boating Course in order to operate a mechanically propelled vessel. Please refer to the NYS Boaters Guide. Certificates or a NYS driver’s license with the “anchor” symbol must be in the operator’s possession (on the boat).

Personal Watercraft: Operators must be at least 14 years old. Operators of all ages are required to have passed one of the NYS approved safe boating courses. Certificates must be in the operator’s possession.

Maximum Speed and Noise Limits:

45 mph during daylight hours, 25 mph after sunset until sunrise *and times of reduced visibility*

Maximum 90 decibels stationary, 75 decibels underway (mufflers must remain in place)

5 mph within 200 ft of shore, docks, floats or anchored boats (except when pulling up or dropping off a water skier)

In times of high or low water, be alert to additional restrictions announced by the Sheriffs

Organized events that desire exceptions to NYS laws must apply for a Marine Regatta permit, see [https://](https://www.parks.ny.gov/documents/recreation/boating/RegattaPermitApplication.pdf)

www.parks.ny.gov/documents/recreation/boating/RegattaPermitApplication.pdf

Bow Riding is not permitted; passengers must be seated within the vessel, not on the gunwale, motor hatch or stern while underway.

Children under 12 on board a vessel under 26 feet must wear an appropriately sized Type I, II or III USCG Approved life jacket while boat is underway. (Type III & V inflatable Life Jackets not approved under 16)

Water Skiing:

Tow boat must have an observer at least ten years of age, in addition to the operator

Skier must wear an approved Life Jacket designed for water sports – not an inflatable life jacket

Water Skiing is prohibited between sunset and sunrise and times of reduced visibility.

Diver Down Regulation: All boats must stay 100 feet from “diver down” flags, these are the Alpha Flag (blue pennant with white stripe at base) and the Diver Flag (red rectangle with white diagonal stripe).

Boating Equipment	Motor Boat	PWC	Manually powered vessels and Sailboats under 23 feet
Life Jackets	One per person	One per person	One per person (including paddle craft ¹)
Throw able Device	Type IV ²	Not Required	Type IV ²
Fire Extinguisher(s) – B1	All	Federal Rules Require	Not Required
Visual Distress Signals	See Boaters Guide, p. 23		
Nighttime: 3 Red Flares or USCG approved LED Light* Daytime: Distress Flag	16 ft & up (under 16' night only) Day only	Not Required ³ Required	Sailboats from Sunset to Sunrise (not required on manually powered vessels) Not Required
Anchor	All	Not Required	Not Required
Horn/Bell/Whistle –Mechanical	39 ft & over	Not Required	Not Required
Whistle or Horn – Mouth	Under 39 ft	All	Not Required (whistle req'd on paddle craft)
Navigation Lights	Bow & Stern	Not Required ³	White Lantern ⁴

*The Sirius Signal SOS distress light is approved by the US Coast Guard and NYS in place of flares.

Notes regarding ‘Not Required’ items

1. Paddle Craft include canoes, kayaks, stand up paddle boards and pedal boats.
2. All boats 16 ft & longer (except canoes and kayaks) require a buoyancy cushion or other throw able device.
3. PWC operation is not permitted from sunset to sunrise and during times of reduced visibility. Sailboats under power must exhibit navigation lights required of a motor boat.

THE COLD WATER LAW requires all occupants of a vessel 21’ or less to wear a Life Jacket from Nov. 1 to May 1 while underway – *if the vessel is not tied to the dock, it is “underway”*.

PLEASE BE AWARE OF EXPIRATION DATES ON FLARES AND FIRE EXTINGUISHERS

Keuka Lake Fishing Regulations (DEC Region 8) April 1, 2021 – March 31, 2022

Persons 16 years old and older are required to have a fishing license, except on the
“Free Fishing Days” 06/26-27/2021, 9/25/2021, 11/11/2021 & 2/12-13/2022

Fishing licenses are now available instantly on-line and on smart phones via
<https://decals.dec.ny.gov/DECALSCitizenWeb/loginregister.htm> or by calling 1-866-933-2257

(For a complete listing of NYS Laws and Regulations, please refer to the “New York Freshwater Fishing 2019-20 Official Regulations Guide” – <http://www.eregulations.com/newyork/fishing/> or the Central NY Fishing Hotline (607) 753-1551 or (844) DEC-ECOS

Sign up for email updates from the DEC at www.dec.ny.gov & Get the Official NYS Fishing App at iTunes and Google Play

FINGER LAKES SPECIFIC REGULATIONS

SPECIES	SEASON	DAILY LIMIT	MIN. LENGTH
Lake trout, Rainbow trout, Brown trout, Landlocked salmon	All Year	5 fish in combination Max of 1 Rainbow trout or 3 Landlocked salmon	15"
Black Bass (Largemouth & small-mouth)	3rd Saturday in June—March 15	5	12"
<i>(* Special Season – March 16 through Friday before the 3rd Saturday in June (June 19), catch and release fishing is allowed – Artificial lures only)</i>			
Northern Pike	1st Saturday in May—March 15	5	22"
Walleye/Pickereel	1st Saturday in May—March 15	5	15"
Crappie	All Year	25	9"
Yellow Perch	All Year	50	Any size
Sunfish—Bluegill, Pumpkinseed, Redbreast	All Year	50	Any size
Smelt Dipping (dip net 14' dia max)	All Year	8 Quarts	Hours– Anytime

STATEWIDE REGULATIONS

Ice Fishing

Keuka Lake fishing regulations apply to take any species from November 15th through April 30th. 7 ice fishing lines may be used. Ice Fishing Line means any device that uses a hook and line to fish through the ice, including but not limited to hand line, historical cross style tip-ups, tip downs, etc.

Keuka Lake tributaries - From the Lake upstream to the first barrier impassable to fish:

Lake Trout, Rainbow Trout	April 1 st – December 31 st	3 in combination	15"
Brown Trout, Landlocked Salmon		(max 1 Rainbow)	

Keuka Lake Outlet - From first barrier (Railroad trestle bridge in Dresden) upstream to Keuka Lake:

(Seneca Lake rules apply in the Keuka Outlet downstream of railroad trestle bridge in Dresden)

Trout (Brook, Brown, Rainbow)	April 1-Oct. 15	5	Any Size	(no more than 2 longer than 12")
	Oct. 16 through March 31	Catch and Release only		Artificial lures only

(LL Salmon, Lake Trout) Statewide Angling Regulations Apply - Salmon 15", LT 21", April 1- Oct 15th, limit of 3

PLEASE NOTE: A specific list of baitfish that may be purchased has been established by the DEC.

(Purchase baitfish only from a dealer selling certified disease-free bait)

NYS Invasive Species Law requires all boats to be clean, drained and dried prior to launching or leaving the lake!

Wakeboats (reprinted from KLA newsletter June 2020)

BoatUS Magazine Is A Benefit Of BoatUS Membership.

Thanks to our KLA Secretary, Ira Goldman, for sharing this article with us.

Author: Charles Fort, Contributing Editor, BoatUS Magazine

Boats designed to make jumbo waves for riding can cause problems for other boaters and property owners. But there are steps you can take to minimize conflicts.

Pat Massa recounts the day on Smith Mountain Lake last summer when a wakeboard boat zoomed by, 20 feet from a dock with 15 boats tied to it. As soon as the wake hit the dock, every boat either had its dock lines snap or its cleats ripped out of the dock. "It was like a rodeo trying to get all the boats back," he says. Massa is chairman of the Smith Mountain Lake Water Safety Council and is intimately familiar with the problems wakeboard boats cause on the 26,000-acre lake located southeast of Roanoke, Virginia. Aside from damaged docks, Massa says, large wakes also cause damage to the shoreline; erosion causes trees to topple into the water, and property owners increasingly need to make expensive repairs to their waterfronts. Massa is quick to point out that most of the problems are caused by a small percentage of boaters who he says are hurting the sport. In fact, he says, some wakeboat owners are also part of the Water Safety Council and have worked together to distribute "Watch Your Wake" brochures and plan to put up billboards to educate boaters who come from out of the area.

Wakeboat Etiquette Tips

- • Stay at least 150 feet away from structures or shore; ride the core, avoid the shore.
- • Minimize repetitive passes.
- • Drive a predicted path. In Arizona, boats must travel in a counterclockwise traffic flow.
- • Avoid close passes to other boats, and don't follow another boat too closely.
- • Don't impede traffic. Wakesurfers usually travel at 10 to 12 mph. Avoid wakesurfing in fairways and busy areas.
- • Look before you turn.
- • Refrain from tricks when near other boats.
- • Early morning times usually have less traffic.
- • Keep in mind that local boating laws and navigation rules still apply. Follow them and everyone will enjoy their time on the water we share.
- • Keep music at a responsible level; sound travels much farther than you think on the water, and loud music can ruin other boaters' peace and quiet.

In case you haven't seen these boats yet, wakeboats look a lot like ski boats and are designed to make very large wakes to make it possible to "surf" or wakeboard on almost any body of water. While they're typically much slower than, say, ski boats, they make wakes the size of much larger boats, and boatbuilders are constantly refining their products to make larger and better shaped waves using ballast tanks, wedges, and fins. The problem, of course, is that wakes don't just stop after the ride. While they may flatten a little over distance, most of the energy is dissipated when the waves reach shore, and wakeboats can cause large and confused wake patterns for other boaters.



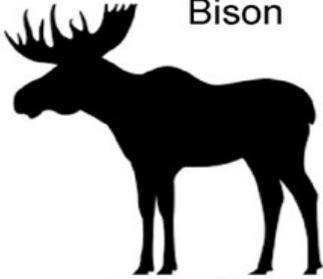
Above photo from: **Discover Boating** is a public awareness effort managed by the National Marine Manufacturers Association (NMMA) on behalf of the North American recreational boating industry.

Critter Corner — David deCalesta

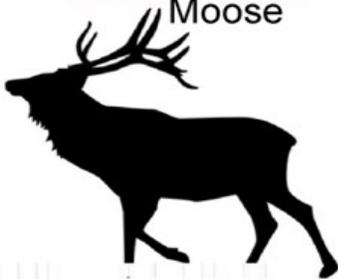
Keuka's Vanishing Big Game Animals



Bison



Moose



Elk



Caribou



Deer

Before European colonists arrived in North America, wildlife, forests, and water bodies achieved a balance whereby all lived in balance with natural checks and balances that evolved over millennia. Trees and other plants evolved defenses against overutilization by wildlife, and wildlife numbers and impacts were controlled jointly by other animals, weather, and vegetation scarcity/abundance. Then along came colonists from Europe who mucked up these evolved plant and animal relationships.

How? Colonists cut down trees to clear land for farming, and for building materials and fuel, and in the process fragmented vast primeval old-growth forests into smaller and smaller and more isolated patches of young woodlands. They extirpated predators such as mountain lions, wolves, and wolverines because they preyed on domestic livestock, and occasionally snacked on humans.

Colonists and their descendants hunted to extinction or greatly reduced populations of hooved wildlife (bison, moose, elk, caribou and deer) as they market-hunted them and/or destroyed their habitat. The largest of the bunch, the bison, over 11 feet long and weighing in at about 3,000 pounds, was gone by 1800, displaced by farming and domestic livestock which infected them with diseases (i.e., brucellosis). Moose were gone by 1860, but have been making a comeback in areas like the Adirondack Park. Unfortunately, where they co-exist with white-tailed deer, a brainworm that benignly affects deer causes moose to die. The eastern elk was gone by 1850, wiped out by market hunting. Caribou, which are dependent on lichen as a food mainstay, were eliminated along with old-growth forests before the 1800s because lichen takes longer to develop as in old growth forests.

Deer populations were nearly eliminated by market hunting by the late 1800s, but rebounded after protection from hunting and development of incredible amounts of forage resulting from clearcutting eastern forests. Removal of wolves allowed coyotes to increase their range into New York. Because coyotes are ineffective hunters of deer, natural control of deer by wolves disappeared around Keuka Lake. Deer populations exploded, resulting in permanent losses of understory wildflower species which they consumed and likely spread of Lyme disease through deer ticks.

What to do? We can't bring back the bison or caribou – the vast grasslands needed by bison are gone, as are the lichens for caribou. Researchers have determined that elk reintroductions, which have worked in Pennsylvania, Michigan, and Kentucky would be hindered by too many four-lane highways, too many urban areas with over 100,000 humans, and reduction of contiguous forestland (excepting in the Catskills and Adirondacks where elk reintroductions might work). Moose have the problem with deer brainworm. About the only thing we can do is control overpopulations of white-tailed deer to curb their destruction of forest understories and vulnerable plants such as lady's-slipper. But that would require a longer deer hunting season and allowing hunters to harvest multiple deer. This approach saved the forest understory on the Menominee Indian Reservation in Wisconsin, where deer season goes from August 1 to December 31 and hunters can harvest one antlered deer and four antlerless deer. Good luck with that in New York.

CONGRATULATIONS TO CAMP CORY—100 YEARS!!!



This is Camp Cory's 100th year of operation!! It is one of the oldest camps in the USA!! It is run by the YMCA of Greater Rochester. Cory is located on a beautiful piece of property on Keuka Lake about 1 1/2 miles south of Penn Yan. As with many camps, its role has evolved through the years. In the 60's, it was mainly a boys' camp. Today, its summer program is co-ed and offers many attending options from day camp to over-night camp, attend for one week or several or all summer! There are many opportunities available for campers such as swimming, sailing, kayaking, STEM, target sports, ropes, fishing, arts & crafts. Staffing opportunities are counselors in training (CIT) and junior & senior counselor, program specialists and leadership staff. Cory also offers family camps and adult programs. Check out their website at www.campcory.org.



"HANG ON, They are trying to dump us! "

JUNE—Toni Peterson

"It WAS a GREAT sailing day!"

JULY— Laurie Tappel



"Can this ride last forever? Please?"

*Photos from the 2021 calendar.
KLAeidoscope of Keuka*



THE KLA WELCOMES THE FOLLOWING NEW & RETURNING MEMBERS:

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The Boathouse at Keuka—35 WLR, H'sport

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David Doran, Penn Yan—off lake

Chris & Lisa Hayes, Hayes Asset Management—3101 WLR, PY

Darryl & Chris Heckle—10275 ELR, H'sport

Monica & William Henderson—8157 EBD, PY

John & Patricia Huselton—5191 EBD, PY

Eric & Angela Jaynes – 12770 WLR, H'sport

Brianne & Art Kirk – Penn Yan-off lake

Jerrold Lewis—Buffalo-off lake

Neil & Alisa MacAvoy—10785 ELR, H'sport

Elizabeth & Ken Makoid—1040 ELR #91, Dundee

Tracy Mitrano—2350 Lerch Rd., PY

Dave & Jeanne Phillips—4771 EBD, PY

Mike & Stephanie Powlin—2591 Rte 54A, PY

Georgia & Chris Rossi—1040 ELR #83, Dundee

Mike Tietjen—16878 WLR, B'port

Ellen White—9196 WLR, H'sport

Michelle & Keith Williams—11125 EBD, PY

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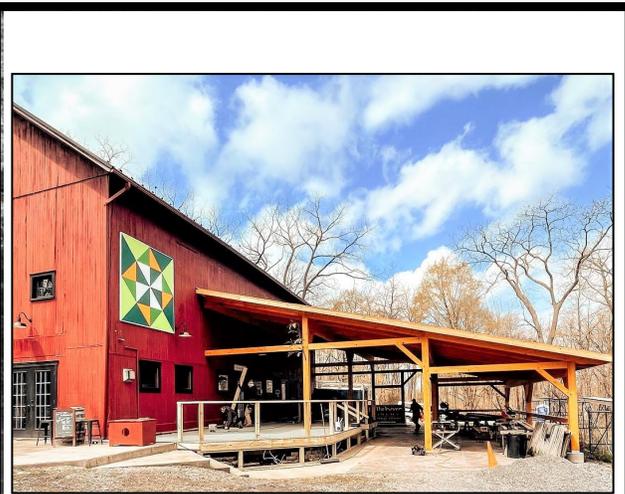
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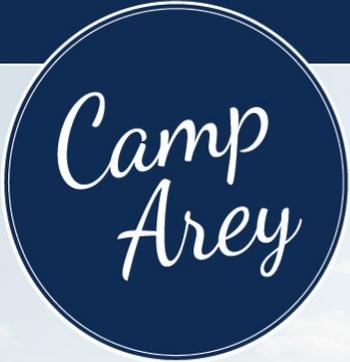


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Card number: _____

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____ **Dock Plate 6"x12"**(excluding #s) - \$30 incl. S&H
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____ **LP HOLDERS: \$8.00 incl. S&H**

Available in the above local stores for \$5.00 + tax

____ **2021 Directories: \$15.00 S&H** (for your home, cottage, car and boat!)



Are your neighbors members of the KLA? Great Gift Idea!!

Whether they live on the lake or anywhere within the watershed, they have an interest in the future health and viability of Keuka Lake. Why not ask them if they are members...and encourage them to join? Why not give a KLA membership as a gift? Applications are also available on our website.

KLA DIRECTORS & OFFICERS

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MEMBERSHIP AND KLA OFFICE INFORMATION

MEMBER APPLICATION

Membership year runs from April 1-March 31

CIRCLE: *NEW* RENEWAL

NAME(S) _____
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Dates I wish to receive mail at KEUKA address: From ___/___ to ___/___ month/day

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MEMBERSHIP TIER (Check one)

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Total Amount: \$ _____
 Card number: _____
 Expiration Date: ___/___/___ Signature: _____

Mail application and payment to: **Keuka Lake Association, P.O. Box 35, Penn Yan, NY 14527**

KEUKA LAKE ASSOCIATION OFFICE

The KLA office is located at 142 Main St, in Penn Yan, the corner of Main & Maiden Lane. Mail to PO 35, Penn Yan, NY 14527. The office is usually open on Tuesdays and Thursdays from 9:00 AM to 2:00 PM. Please stop by if you are in the village. You can contact the office either by phone: 866-369-3781, local 315-694-7324 (answering machine attached) or email: info@keukalakeassoc.org.

Margo G. McTaggart,
 KLA Administrative Assistant

ADVERTISING IN THE KLA NEWSLETTER

The advertising section of the KLA newsletter is provided as a service to KLA members only. The ads are restricted to 1/4 page, to fit into a 3 3/4 by 4 3/4 space. It is the responsibility of the advertiser to contact the KLA office with a request for ad space in an upcoming issue and send a **print ready ad**. The deadline for the September 2021 issue is August 1st and will be accepted in the order submitted. However, in an attempt to present an interesting diversity of ads, the KLA editorial staff reserves the right to limit the number of any specific type of ad in any given issue. KLA also reserves the right to decline acceptance of an ad deemed inappropriate for the publication. Ad cost for each issue is \$50. Thank you to all of the KLA members who have advertised with us.

KLA MEMBERSHIP PROCESS

March - Dues renewal notices mailed.
December - Last newsletter for those who have not renewed. Check the expiration date on your address label on most issues and the annual roster.
December - Membership for **NEW** members & current members who join after Dec. 1 will be extended through the next membership year: April-March

Please consider volunteering for our Shoreline or Stream Monitoring Programs in 2021

The content of the written articles in this newsletter are the property of the Keuka Lake Association and may not be reprinted or republished without the express written consent of the KLA.

Keuka Lake Association, Inc.
PO Box 35
Penn Yan, NY 14527

YOUR JUNE NEWSLETTER HAS ARRIVED!

The KLA's mission is to preserve and protect Keuka Lake and its natural beauty for future generations.

BECOME A HARMFUL ALGAL BLOOMS (HABs) SHORELINE MONITOR!

Do you have lakefront property or access to Keuka Lake? Join the team of dedicated volunteers who monitor for HABs and collect samples and information to help inform the understanding of and occurrence of HABs on Keuka Lake and in the Finger Lakes Region.

HOW TO JOIN THE EFFORT:

- Attend an online training session
- Monitor your shoreline or a public access location on a weekly basis for the occurrence of HABs and report your findings in an easy-to-use online form
- Take pictures and collect HAB samples and deliver them to the KLA or CCE Yates office

To sign-up or for more information, contact CCE Yates Natural Resources Educator, Laura Bailey at lb698@cornell.edu or call (315) 536-5123



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