



UPDATE— Starry Stonewort



DASH of Starry Stonewort in Keuka Lake: Lessons Learned

Maria Hudson—KLA VP, Chair Water Quality Committee

Since a year ago when Starry stonewort (SSW) was first discovered in Keuka Lake, the KLA has been working to explore and implement methods to control it's spread. SSW is a highly invasive macro algae that spreads easily by fragmentation and bulbils which are like tiny "seeds". If unchecked SSW will form dense mats destroying the natural shoreline habitat by crowding out native plants, destabilizing shore sediments, and creating inhospitable conditions for native "critters" such as crayfish and small fish. This August, the KLA, in collaboration with the Finger Lakes Institute Partnership for Regional Invasive Species Management (FLPRISM), the Starry Stonewort Collaborative, Cornell Cooperative Extension, Yates Co. Soil and Water and the Dept. of Environmental Conservation (DEC) contracted for a new SSW harvesting technique called DASH.

DASH is Diver Assisted Suction Harvesting. After much research into SSW control in the mid-west, the KLA decided to attempt DASH. We obtained a \$10,000 grant from FLPRISM which covered ¾ of the total cost. ILM, our contractor from Illinois, had developed an innovative system tailored to SSW harvest which helped us obtain the grant and also the DEC permit to perform DASH. August 9th-14th the ILM team could be seen harvesting SSW from just south of the two marinas in Branchport north to the wetlands. Even though SSW was found during our survey in the inlet Sugar Creek, it was necessary to begin harvest in the higher traffic areas. The operation consisted of one diver in the water with a suction hose about the size of a dryer vent. Two others were on a pontoon boat where the SSW was vacuumed up onto a filtering tray system. The small incidental "critters" captured were separated out and returned home to the water. The SSW was filtered on these trays to prevent the return of small fragments or bulbils to the water. The SSW was then collected into burlap bags for safely transferring to the shore. Once on shore, the SSW dewatered and was used for composting.

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Dash of SSW—cont.

Much attention was given to this operation, the first of its kind in New York. Spectrum News did a piece on the Watercraft Stewardship and SSW and The Starry Stonewort Collaborative interviewed ILM's Keith Gray for a webinar. In addition, the DEC visited in kayaks for a firsthand site inspection. We all learned a lot, not only about DASH, but also about the nature of SSW in our ecosystem. Here are some key discoveries:

SSW is quite brittle in Keuka. As opposed to other invasive plants such as milfoil, it falls apart when grabbed (like picking up an old Christmas tree). The method for suction harvesting had to be amended to directly suction the SSW as opposed to grabbing and feeding it into the hose.

No other aquatic life was found *at all* in the dense mats harvested, only in less dense mixed infestations.

SSW had spread rapidly since our initial survey in July and become very dense in the marinas as well as residences south and north, especially concerning was the proximity of SSW to motors putting in and out of the marina

Many residents are attempting to remove SSW and other “weeds” to clear their swimming areas by pulling and raking which only serves to spread it further.

In six full days of harvesting, ILM collected 135 burlap bags of SSW. Each bag represented about 100-200 sq ft, about 3,400 sq ft a day. In all, approximately 22.5 cubic meters of SSW was collected. It should be noted that as opposed to mechanical harvesting or “cutting” this was “pure” SSW not mixed with other plants or aquatic life.

SSW cannot be eradicated but we can and must control its spread. We are currently looking for grants to help fund what will be a yearly DASH operation along with other methods of control. The DEC should be able to issue the permit in a more timely fashion since they now have firsthand experience. This will allow for SSW harvest earlier to prevent growth and spread. ILM has ideas to improve the efficiency of the diver, add a diver and trays and possibly use volunteers on the boats to reduce costs! (Yes, that means you!!) We may also attempt other methods of control, such as use of benthic mats especially in small isolated areas such as along residential docks, which would not need permitting.

Thanks to all who donated their time and facilities. Jack Wheeler of Bar Bay Marina allowed the pontoon boat to dock and deposit the harvested bags on his property. The Town of Jerusalem who transported the harvest to Jonathan Hunt from Hunt Country Vineyards who composted them. Maria and William Hudson hosted the ILM team at their home. More information video and interviews can be seen on the KLA website or at the following links:

Spectrum News:

https://spectrumlocalnews.com/nys/rochester/community/2021/08/22/starry-stonewort-discovered-in-keuka-lake-draws-concerns?cid=app_share

SSW Collaborative:

<https://hws.box.com/s/mmuiq69ge2n778lq6zo3bvs7kcdq9owv>

DASH Photos on page 3

DASH AT WORK ON SSW - 2021



22.5 cubic meters, up to 27,000 sq. ft of Starry Stonewort harvested



Household Best Management Practices (BMPs) for Harmful Algal Blooms (HABs)

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



You may have heard the term “BMPs” or best management practices used in forestry and agricultural activities, which are implemented to help protect the watershed and water quality, but there are practices that individuals can implement in their household activities as well, that are better or best for protecting water quality. These household BMPs can help prevent nutrients from entering the watershed and lake and contributing to the occurrence of harmful algal blooms (HABs). In addition to reducing household contributions of nutrients to the watershed and lake, there are other ways that you can help in efforts to better understand the occurrence of HABs on Keuka Lake, like joining the Keuka Lake Association’s Shoreline Monitoring program!

HABs can occur when nutrients are available in a water body, coupled with ideal atmospheric and water temperature conditions. Many of the Finger Lakes have warmed from the mid-high 60 degree Fahrenheit range to the low-mid 70 degree Fahrenheit range, which is a more favorable temperature range for the formation of HABs. Keuka Lake is not considered a nutrient-rich lake, but storm events like we have experienced in the past few weeks, can cause added nutrients to be washed into the lake. Intense rainstorms followed by warm, calm, and sunny conditions is the perfect combination for the formation of HABs. This combination of events is exactly what happened recently on Keuka Lake and many of the Finger Lakes. Several inches of rain fell over a 48-hour period and the days following the rain event were warm, sunny, and calm. HABs were reported by the KLA’s Shoreline Monitoring program at multiple locations on the northern portion of the lake, including Indian Pines Park, which was closed to swimming as a result.

So, what can you do in your household to help reduce nutrient influxes into the watershed and lake?

Household practices and the activities we engage in on our property can impact water quality and contribute to nutrient influxes into the watershed in a variety of ways including use of fertilizers on lawns and gardens, as well as waste from pets and hobby livestock, and poor maintenance of septic systems. Improper ditch and gully management can lead to increased soil and debris carried into waterways and the lake. Development of steep slopes can cause increased erosion, carrying nutrients with it. Conversion of natural shorelines and banks of creeks to traditional grass lawns can also lead to erosion and reduces pollutant filtration that native vegetation provides. Let’s take a closer look these, and a few other practices, as well as some better alternatives or best management practices:

Use good lawn and garden practices. Follow these recommendations if/when apply fertilizer: 1) Fall is the best season to fertilize and don’t fertilizer before a storm or apply to frozen ground; 2) Don’t apply phosphorus to the lawn or garden; 3) Keep soil, leaves and lawn clippings out of the street, ditches, storm drains, and streams; 4) Mow higher –2.5 to 3 inches– it’s healthier for your lawn and helps with rain interception; 5) Build healthy soil using compost and other natural amendments.

Keep ditches and gullies that run through your property clear of debris. Don’t throw leaves, grass clippings, branches, or other yard debris into ditches or gullies, as it can wash downstream directly into the lake during storm events or clog culverts and bridge underpasses, resulting in flooding. Skip mowing your ditches and allow vegetation to grow, which will help to slow water flow during storm events.

Keep livestock out of streams and ditches. They cause erosion and their manure carries unwanted nutrients and bacteria.

Clean up after your pets. Runoff flowing across yards, dog parks, and down trails on its way to creeks via our streets and storm drains can carry pet waste with it. Pet waste can contain harmful bacteria as well as nitrogen and phosphorus. And remember, waterfowl are not pets! Although ducks and geese eat the bread we offer them, it lacks the nutrition they need and feeding waterfowl also causes them to concentrate in higher numbers, resulting in large quantities of waste.

Restoring the shoreline of a lake or waterbody with native plants will restore ecosystem services including soil stabilization and reduced erosion, filtration of pollutants and sediments, and the absorption of nutrients. Traditional lawns (grass) along a waterbody can cause excessive plant and algal growth, shoreline erosion, and sedimentation.

Add a rain garden. Rain gardens allow the rain from rooftops, driveways, and other impermeable surfaces to infiltrate into the ground instead of becoming runoff. This helps to alleviate flooding and drainage problems and also filters runoff before it enters waterways.

Check with your local municipality regarding regulations for development on steep slopes. During a construction or landscaping projects, preserve existing vegetation where possible, avoid parking or driving heavy equipment near trees, build a gravel access drive to minimize site compaction. Install a silt fence or straw bales to trap sediment, locate soil piles away from the road or water and protect with silt fences and by keeping covered with a tarp. Replant the area as soon as possible and keep erosion control measures in place until site has been restabilized.

Maintain your septic system. A properly maintained septic system protects nearby groundwater, the lake, and your health. Regularly inspect and pump your system as necessary: inspect every 2-3 years and pump every 3-5 years. Know the signs of a failed septic system: pooling water or muddy soil around the tank, drainfield, or in your basement; foul odor coming from area of tank; toilet or sink backs up when you flush or wash laundry; bright green grass over the drainfield. Care for your drainfield: plant only grass or groundcover with shallow roots over/near your drainfield; don’t drive or park on drainfield; keep roof

Cont. on page 4

BMP's Continued:

drains, sump pumps drains, and other surface water runoff away from drainfield.

Prevent the spread of aquatic invasive species. Research is finding that zebra and quagga mussels may be contributing to the occurrence of HABs. They selectively feed on other types of algae, concentrating levels of cyanobacteria or blue-green algae that form HABs. Excessive growth of aquatic invasive plants can also lead to increased nutrient influxes in a waterbody when they decompose. Clean your watercrafts and equipment of sediment, aquatic plants, and water to prevent the spread of aquatic invasive species. Don't dump bait, aquariums, or ornamental pond vegetation or animals into a lake or waterbody.

Join KLA's Shoreline Monitoring program! This program provides more insight and understanding about the locations, timing, weather conditions and toxicity of HABs on Keuka Lake and seeks to foster community awareness, knowledge, and support of the issues facing our watershed. Volunteers of this program monitor their shoreline or a public access 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 was a bloom present, a sample might be collected for testing. Training is provided by KLA and NYSDEC. If you are interested in joining the SMP and monitoring a shoreline location on Keuka Lake for HABs, please contact *Laura Bailey at Cornell Cooperative Extension (315) 536-5123 or lb698@cornell.edu*

LAKESIDE COUNTRY CLUB/KEUKA LAKE ASSOCIATION GOLF TOURNAMENT—2021

On July 12th, Lakeside Country Club teamed up with members of the Keuka Lake Association to hold our 2nd annual "Best Ball" golf tournament. The turnout was spectacular with 112 golfers setting out on the challenging links of Lakeside CC at 10:00 AM on Monday morning. The weather, though cloudy, cooperated all day after a lot of rainfall over the weekend. Joe Champion and his grounds crew did a magnificent job in having the course ready with some slight adjustments for playability. He greatly appreciated contestants staying clear of many of the very wet areas throughout the day, and the course held up. Many thanks also go to both Bob King & Curtis Evanicki and Cara Gladke's dedicated staff who worked hard all day to ensure success. We were also blessed with 28 sponsors of the tournament helping to raise funds for this fun outing. Special mention goes out to Dick Curbeau of Curbeau Realty, and Lance Locey of Keuka Watersports for their continued special support of our tournament. There were many different winners of pro shop gifts in different flights with the overall champions carding a -15 under par. Amazing!!!

Thanks again, and we look forward to another great tournament next year.
John Hagreen—Membership Chair



*KLAEIDOSCOPE Of Keuka
2022*



High Above Hammondsport, Winding Stairs Road

Ken Nykiel

Our 2022 calendar is available at local stores. It makes a great gift for those who love Keuka Lake.

Photos for submission for our 2023 calendar can be sent anytime through 2/22 to the KLA Office e-mail. Please make sure they are horizontal and of high resolution.

FALL BOATING REMINDERS

STEVE HICKS—KLA NAVIGATION & RECREATION CHAIR



As we approach fall and colder weather, please keep in mind a number of safety concerns:

LIFE JACKET- Most importantly, please remember the law regarding life jacket use during the winter months:

“No owner or operator of a pleasure vessel less than twenty-one feet, including rowboats, canoes, and kayaks shall permit its operation, between November 1st and May 1st, unless each person on board such vessel is wearing a securely fastened United States Coast Guard approved wearable lifejacket of an appropriate size when such vessel is underway.”

WATER TEMPERATURE - Make sure you are properly dressed and outfitted as the lake temperatures begin to drop rapidly (please see the water temperature graph on the KLA website). It has historically dropped from the 70's down into the 50's from Mid-September to mid-October.

SAFETY EQUIPMENT - It is not too late to get a complimentary Vessel Safety Check from the Coast Guard Auxiliary or the Americas Boating Club. These free exams take about twenty minutes; check for all of the required safety equipment required on board and can be done with a boat in or out of the water. If you are interested contact Ira Goldman igoldman@localnet.com or Anthony Valdzic uscgaux0920407@gmail.com (or look on line for www.safetyseal.net)

BOATING CERTIFICATE - keep in mind that NYS Brianna's law requires all persons born on or after January 1, 1993 operating a mechanically propelled vessel to be a holder of a Boater Safety Course Certificate in 2021 and 2022.

Finding Lost Boats and Floating Objects—Decal 3 1/4 X 5 1/4

As the recent high water event on August 19 showed, when the lake gets above it's normal high limit of 714.25 feet above sea level it can result in boats floating off their hoists or the beach where they are left. While we recommend that you tie all objects to some fixed anchor point, lines do break and it can be very difficult to identify the owner of a boat or other floating object that does not have a registration number on the bow which is only required for powered vessels.

Fortunately the New York State Parks and Recreation Department which is responsible for boating and navigation in the state has a simple and free way to identify your floating objects. They have provided water-proof "Lost – If Found" labels that you can write your phone number or address on and attach to each boat, raft or other floating object. This makes it simple for finders to identify who owns the object when they find it out in the lake or on the shore. The KLA office has a supply of these labels and we recommend that every member identify their floating objects this way even if you are sure they will never get away!

Vessel Identification Sticker for Canoe, Kayak or Rowboat

If Found-Contact

Name: _____

Phone: _____

Phone: _____

USE WATERPROOF MARKER



Parks, Recreation
and Historic Preservation
nysparks.com



Update: Seneca-Keuka Watershed 9 Element Plan**Covering: "Public Outreach Session No 1"****Steve Butchko-KWIC, Mark Morris-KLA and Colby Petersen-KL Watershed Mgr.**

In June of 2018, Seneca Lake Pure Waters Association (SLPWA), Seneca Watershed Intermunicipal Organization (SWIO), KWIC and KLA formed the Seneca-Keuka Watershed Partnership which prepared and submitted a \$360k NYS Department of State (DOS) Consolidated Funding Application (CFA) grant request. Representatives from KWIC, KLA, Yates and Steuben Counties contributed matching funds. We established an Executive Committee, consisting of members from KWIC, KLA, SLPWA and SWIO, with assistance from the Finger Lakes Institute (FLI). The grant was approved by the DOS and Governor Cuomo in December of 2018. This grant funds the creation of a 9E plan, which when complete, makes us eligible to apply for EPA and/or DEC future funds to solve the problems identified in the 9E plan's completion. The 9E Executive Committee, along with the Finger Lakes DEC HUB and our consultants, Ecologic and Anchor/QEA, have been actively working on a Seneca-Keuka Watershed Partnership 9E management plan.

SWIO hired Ian Smith as the Seneca Lake Watershed Steward in April 2019. Colby Petersen, has been the Keuka Lake Watershed Manager since April 2014. Ian and Colby report to the Executive Committee which meets monthly.

We are using a Soil and Water Assessment Tool (SWAT) Model for our studies. Some of the data came from the DEC statewide study. We have learned that factors such as lake orientation, wind direction, duration and speeds, and presence of Zebra Mussels & Quagga Mussels impacts presence and frequency of Harmful Algal Blooms (HABs). These factors and others have been incorporated into the model. We held a Project Advisory Committee (PAC) meeting June 2020 having members help us prepare for our first Public Outreach Session (POS) in August 2020. Turnout was very good with a diverse 76 attendees, the presentation can be viewed at: <https://senecawatershedio.wordpress.com/9e/>.

In December of 2020, we introduced our first quarterly newsletter which covers a range of subjects such as 9E planning, water treatment and monitoring, agricultural projects, voices from the lake, and soil and water highlights and much more. The most current version of the Seneca-Keuka Watershed Partnership newsletter can be found at: <https://senecawatershedio.wordpress.com/9e/>.

In April 2021, two regional planning groups Genesee Finger Lakes Regional Planning Council (GFLRPC), Southern Tier Central-Regional Planning (STC), and the six county planners and legislators were given presentations by Steve Butchko, Ian Smith, Colby Petersen, Laury Ellen Ward of Finger Lakes Wine Country, and George Frantz of Cornell University. Topics discussed included an overview and update of the 9E plan, post 9E implementation strategy, discussion of the value of the Finger Lakes area, sharing ways to protect it through effective zoning and a path forward.

In May 2021, the 9E team received and reviewed a presentation by Chuck Lawson of the National Park Services (NPS) regarding the proposed Finger Lakes National Heritage Area feasibility study, which led to NPS presentations to multiple other municipalities and lake associations.

Our second PAC meeting was also held in May, presenters were Ian Smith, Mike Werth of Anchor QEA, Colby Petersen, George Frantz and Cornell University students. Topics discussed included project purpose and design, elements completed in 2020, current elements nearing completion, local laws review, model calibration and validation, remaining elements targeted for 2021. A key exercise in the meeting was 1) identify a problem in the watershed, 2) single or multiple locations of the problem, 3) how do we correct the problem, 4) who pays for the solution. Examples could be in the following categories: agricultural/forest, wastewater management, climate change, invasive species and local laws. Please send any ideas to: colby@ycsoilwater.com

Two events will be taking place in August of 2021. The Town of Milo Agricultural Committee and the YCSWCD have planned an on-farm workshop discussing no-till and associated best management practices. Other topics covered at the training will be farm cover cropping, common weed identification and manure management. Another PAC meeting will take place in August as well.

Our second POS takes place in October of this year. Topics and direction will be determined by the PAC discussions in August.

The draft 9E plan is scheduled to be completed by December 31, 2021. The plan will then be sent to the DEC for review.

Town of Milo Ag Committee and the YCSWCD have planned a soil health workshop for February 2022 to be held in Yates County.

The third and final POS will be held in conjunction with the annual Land Use Leadership Alliance (LULA) training in April 2022. The final version of the 9E plan will be available at this time.

Lake Level Update - Wayne Hand



From late Tuesday 8/17 through Thursday early 8/19 the Keuka watershed experienced an extreme rain event, thanks to the remnants of tropical storm Fred. During that time frame anywhere from 4 to 7 inches of rain fell, with much of it happening late Wednesday and early morning Thursday. During that time frame, the lake level rose about 1 foot, from about 714 to a little over 715 ft.

The Keuka watershed is about 10 times the size of the lake. That means that if the average rainfall was 5 inches, and the ground did not absorb any of this water, the lake would raise 50 inches. Thankfully, it appears that only about 25% of the rainfall entered the lake immediately as runoff, since it only raised about 12 inches. The rest must have been “absorbed” (at least initially) by the already rain soaked watershed land. Since early Thursday morning 5 gates (gates # 2 – 6) were opened full, with gate # 1 open 5 inches (Gate # 1 has been stuck in this position since early January, a repair plan has yet to be defined by KLOC). At around 1:00 PM on Wednesday 2 gates were opened full, at 6:25 AM on Thursday 2 more gates were opened full, and at 7:48 AM one more gate was opened full. This total of 5 gates full and 1 at 5 inches amounts to about the following release of water into the outlet, and ultimately Seneca Lake at Dresden.:

900 cubic ft. per second = 3,240,000 cubic ft. per hr. = **24 million gallons per hour** (as the lake level drops, this value also reduces)

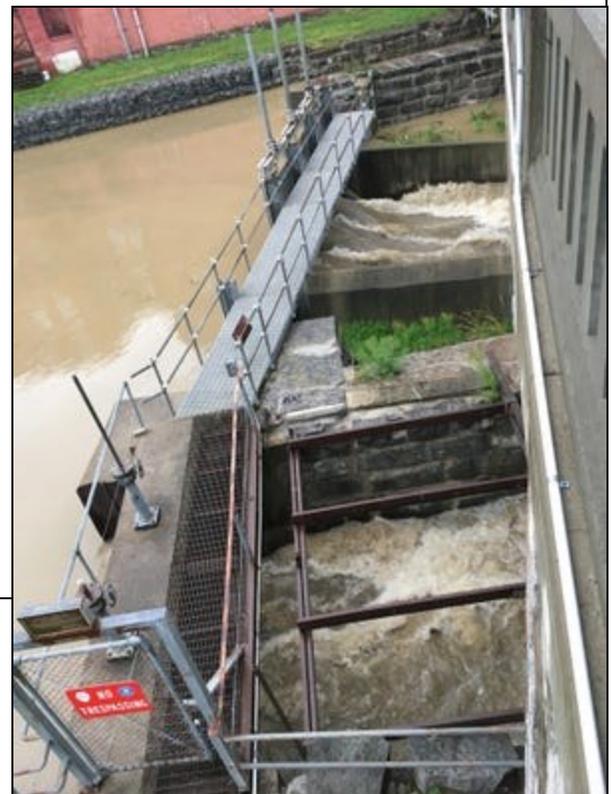
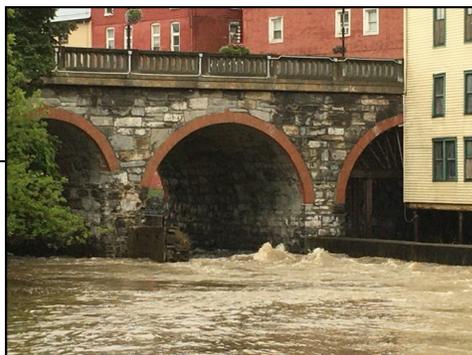
Keuka lake holds about 379 billion gallons of water with the **top inch containing about 315 million gallons**. Therefore, if there was no inflow into the lake, with the above gate discharge, the level could drop 1 inch in about 13 hours (315/24). However, we continue to experience a large amount of inflow into the lake, so the rate of lake level drop is significantly less. In the initial 4 days since the rain event, the lake level dropped around 1 inch per day, which means that inflow has averaged about half of the outflow. We should expect inflow to gradually decrease and the rate of level drop to slowly increase, but it will probably still take several days yet until the lake level is back within the desired objectives.

This is only the 5th time in the past 21 years where the lake level has approached or slightly exceeded the official “mean high water level” of 715.3 ft.:

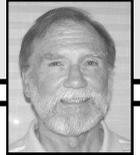
2001	-	715.6 ft. on 4/10
2005	-	715.7 ft. on 4/04
2006	-	715.1 ft. on 9/03
2014	-	715.6 ft. on 5/16
2021	-	715 1 ft. on 8/19

Please remember, the KLA does not control the lake level, KLOC* does. However, key KLA representatives attend all KLOC meetings and provide public input to the gate management process.

*KLOC is the Keuka Lake Outlet Compact. It is made up of the Supervisors of each of the Towns surrounding Keuka Lake.



Critter Corner — David deCalesta Ticks—Part II



In the September 2018 KLA newsletter Critter Corner article I discussed deer ticks and the diseases (including Lyme disease) they carried. I noted that they were dropped into yards by deer and other critters like chipmunks and mice, and mentioned a few steps to avoid them: 1) eliminating habitat for chipmunks and mice (brush/log piles, ground vegetation and mulch in landscaping); and, 2) soaking pants in permethrin and wearing them outside when dry - the permethrin kills ticks on contact.

There's more you can do to protect yourself. But first, a little biology.

After breeding and gorging on blood, adult female ticks drop off of the host animal and lay their eggs (thousands) on the ground in fall. Eggs hatch next spring into 6 legged larvae which are usually not born with diseases, like Lyme. Rather, they pick it up from infected animals (mice, deer, & chipmunks) during their first blood meal. They then fall off the host and molt into 8 legged nymphs. Nymphs molt after another blood meal, becoming adult ticks during fall when they breed and produce the next generation of ticks as eggs after a last blood meal.

Primary carriers of deer ticks are deer, mice, and chipmunks (squirrels apparently don't get infected when bitten by an infected tick). Deer pass through yards dropping a tick or two here and there. Mice and chipmunks, on the other hand, live year 'round in and around yards in high numbers and are the primary source of ticks that get on us—a single mouse may carry more than 100 ticks. Managing mice and chipmunks is far more effective at reducing exposure to tick-borne disease than managing deer. How to manage mice and chipmunks?

Enter science. Biologists know that mice line their nests with soft materials. And they know that contact with the insecticide *permethrin* causes ticks to die. They determined that soaking cotton balls in permethrin and stuffing the balls in small cardboard tubes would make them available to mice, which would take them to line their nests, getting permethrin on their fur in the process. Any ticks attached to the mice would instantly die, and any ticks coming in contact with the cotton balls would also die. *Voila!* These tubes (called 'tick sticks') are packaged in boxes sold commercially (Fig. 1). None of the local hardware stores carry them yet, but you can buy boxes of 48 tubes on Amazon for about \$140. And, you could ask local hardware stores to order/supply tick sticks.



Tick sticks are approved by the EPA, never expire, and reduce the risk of exposure to infected ticks by up to 97%. They are put out twice a year (early spring and mid-summer) in typical mouse habitat (hedges, woodpiles, along walls, or just off the edges of lawns and flower beds). They should be checked the first week or two to see if the cotton has been disturbed. If it is still untouched after a couple of weeks, put the tubes in a different place.

How many tubes to put out? Recommendation is 6 tubes per 1/8 acre of mouse habitat.

What's the environmental risk of using tubes? The permethrin is toxic to other insects like bees, so place tubes under rocks or in thick vegetation to reduce exposure. Permethrin is toxic to fish, so place your tubes where they won't get into the lake. Permethrin is not toxic to dogs, but cats can get sick if exposed. Basically, this requires placing the tubes where cats are not likely to contact them. Eating mice with permethrin on their can make cats sick if they eat more than 100 mice a day with permethrin on their fur - very unlikely. If your cat somehow gets exposed to permethrin, symptoms of permethrin toxicity are tremors/shaking, twitching, oversensitivity to touch and sound, walking as though drunk and, in severe cases, seizures or fits. If you think your cat has been exposed to permethrin contact your vet immediately. The vet will try and prevent the cat from absorbing more permethrin through its skin by washing it with dilute washing up liquid. Further treatment depends on how badly affected the cat is, but medication often needs to be given to stop the tremors or fits. The majority of cats will make a full recovery.

Cont. on pg.9

TICKS—CONT. FROM PAGE 8

What about chipmunks?

Tick sticks do not work with chipmunks. But chipmunks can be treated with permethrin by using 5x7 inch bait boxes treated with a wick containing a low-dose of permethrin. Chipmunks crawling into the box for the bait inside get brushed with permethrin which kills the ticks. However, the bait boxes (available on Amazon) are expensive at \$50 apiece, and with the average property requiring 5- 15 boxes (applied 2x a year), cost could approach \$800/year.

A better solution for chipmunks is removal by trapping. You can purchase small live traps for chipmunks at local hardware stores - bait them with peanut butter and walnuts. Live-trapped chipmunks should be transported and released several miles away to keep them from returning. Or you can use rat traps baited the same way. It is legal to live and kill-trap chipmunks year 'round. If you use rat traps, make sure they are placed where birds will not encounter them. Place traps in chipmunk habitat (rock piles, brushy areas, edges of flower gardens).

FIRE SAFETY ON YOUR BOAT

[Reprint of an earlier article by Ira Goldman]

It's easy to get lulled into a false sense of security about the use of gasoline (and to a lesser extent diesel fuel) in boats because of the wide spread use in motor vehicles on land. However there is a very important difference because gasoline vapor is heavier than air and if it leaks in a boat it collects in the bilge rather than dispersing along the ground.

It does not take much gasoline to create an explosive mixture of 14 to 1 air to gasoline and a spark from the electric starter motor can cause an explosion. The bilge blowers that are required on board gasoline boats with inboard engines built since July 1980 are sealed to prevent such explosions.

The best way to verify that there are no leaks is before you insert your ignition key, use your nose and sniff the air coming out of the blower vent (usually on the port or left side of the boat). If possible open the engine compartment and check for leaks especially if your boat does not have a blower.

Of course if you are checking for the source of a leak or refueling your boat, you should not smoke and you should turn off any stoves, heaters or electric equipment on board. Once you are done and anytime you start your engine, you should run the bilge blower for four minutes first. These steps also apply when you attempt to restart an engine that has stalled unexpectedly. In that case, open the engine hatch just enough to confirm that there is no fire before opening it fully to sniff for a leak.

If you have an outboard engine, the risk of a fuel fire is less but there are still some precautions you need to take as well. Portable fuel tanks should be removed from the boat and filled on the dock so that any spills do not collect in the bilge of the boat. If you have a built in fuel tank, you should be careful not to overfill the tank and perform the same "sniff test" to verify that there are no leaks.

Finally, if you do discover a fuel leak do not attempt to clean it up yourself, especially not by using electric fans, work lights, pumps or vacuums that can cause a spark when switched on – call 911 and get professional help.

THE KLA WELCOMES THE FOLLOWING NEW & RETURNING MEMBERS & THEIR LAKE ADDRESSES:

Deborah & Kim Allen—Morgan Marine

David Bliss—1048 WLR, B'port

Todd & Kimberly Brost – 10155 Grandview Lane, H'sport

Scott & Patty Buckley 16482 WLR, Pulteney

Paul Dreher, 5076 EBD, PY

David Durkee, PY

Russ & Colleen Firman, 675 ELR, PY

Clete & Beth Goetz, 14960 Stone Pt., Pulteney

Squirrel Tree Cottage, Sean & Katie Hoffman, 1008 ELR, Dundee

Kim & John Kowsz, 9394 WLR, H'sport

Anita Lane, 778 ELR, PY

George & Marianne Martin, 463 ELR, PY

Bill McHenry, 9097 S Lake Rd, H'sport

Richard Morgan III, 5929 RBD, PY

Sue Nashburn, 5575 WBD, KP

Keith & Lori Nickoloff, 490 ELR, PY

Robert Plummer, 6092 WBD, BP

Barb Schirmer & Rob Brunskill, 10066 Marilena Pt., H'sport

Scott Shira & Melissa Allen, 9604 WLR, H'sport

Michael & Nina Socha, 1605 Keuka Village Rd., Dundee

Glen & Kelly Spinelli, 916 Esperanza Rd., KP

David & Nancy Stenger, 10134 Middle Rd., H'sport

Brad & Roslyn Tavel, 1 Lake St # 108, H'sport

Shannon & Jennifer Toole, 424 ELR, PY

Christine & Van Waddill, 601 ELR, PY

Chris & Amy Walther, 5555 EBD, PY

Doug & Tami Willard, 696 ELR, Dundee

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Finger Lakes Regional Watershed Alliance (FLRWA)

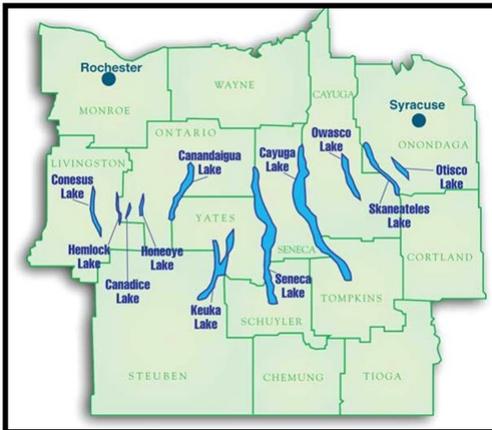
Mark Morris, VP & Margie Creamer, Pres



In 2010, eleven lake and watershed organizations representing the inhabited Finger Lakes in New York State formed the Finger Lakes Regional Watershed Alliance ("FLRWA"). Three tenets of FLRWA are 1) to bring together the members, expertise and desires of the Finger Lakes watershed associations to preserve and protect their watersheds with a collective regional voice 2) to join forces to advocate for mutually beneficial regional changes, backed by sound research 3) to promote collective actions that represent the desires of the entire Finger Lakes region.

Our FLRWA members bring to the electorate more than 10,000 property owners and residents. We believe that lake and watershed associations acting together is more likely to produce positive results when dealing with agencies and higher levels of government.

Alliance members believe that common Finger Lakes positioning regarding the issues that face these lakes might be more successful than individual lake and watershed associations acting independently. This posture is more likely to produce positive results when dealing with governmental agencies. Alliance members believe it is important to draw upon the collective skills and resources of the entire region's lake and watershed associations to launch innovative pilot programs that, if successful, can be shared across the region.



FLRWA member associations representing each of the finger lakes, from west to east are Conesus, Hemlock, Canadice, Honeoye, Canandaigua, Keuka, Seneca, Cayuga, Owasco, Skaneateles, and Otisco.

FLRWA works with supporting groups throughout the area as well. Finger Lakes Institute (FLI), NYS DEC-HUB, Finger Lakes Land Trust (FLLT), NYS Federation of Lake Associations (NYSFOLA), and The Nature Conservancy (TNC) provide technical support. Included in the educational realm are Cornell Univ, SUNY College of Environmental Science & Forestry, Finger Lakes Community College, Hobart & William Smith College, Keuka College, Rochester Institute of Technology, SUNY Brockport, SUNY Geneseo, and the University of Buffalo.

Information about FLRWA is available online at www.flrwa.org.

Recently the FLRWA formed subcommittees which are able to focus their attention on specific items. In 2020 the subcommittee Political Education Committee (PEC) was formed to present to Federal and NYS elected and appointed constituents causes concerning the finger lakes regions. The strong collective nature of FLRWA is then better situated to promote obtaining necessary funds.

Formed in 2020 is the Best Practices Committee which has created a matrix to compare practices common to each lake association. Examples of the common practices concern Water Quality, Harmful Algal Blooms, and the new recently recognized by New York State Lake Friendly Living Coalition practices.

FLRWA has noted many outstanding citizens involved in their individual and group causes across the finger lakes. In June of 2020

Dr. John Halfman Hobart William Smith Professor of Environmental Studies was awarded the first FLRWA Citizen Award.

The growth over the last year even during pandemic times shows the focus the FLRWA Board has in its ability to communicate with each other and the lake associations. For more information, contact fingerlakeswatershedalliance@gmail.com.

Keuka's Turtles

The Keuka Lake watershed (lake and hillsides feeding lake with streams) includes five species of turtles. Cold-blooded, like all reptiles, turtles cannot regulate their body heat, so are active during spring, summer and fall when temperatures allow them to move about. All hibernate in winter, usually in the mud/muck of lake, pond and stream bottoms. Their heart rates slow to almost nothing, and they absorb oxygen from the water through their skins. All except one (spiny smooth-shell turtle) have bony shells. The upper shell is called the **carapace** and is formed of bony plates (scutes) that are flattened and widened ribs. Each scute has concentric rings laid down every year: counting the rings gives an approximation of the turtle's age. The bottom shell, called the **plastron**, is also formed of individual plates. They are omnivorous, meaning they eat vegetation, insects, small mammals and birds, salamanders, crayfish, snakes, and carrion. Some can deliver a dangerous (to humans) bite if you pick them up. None bite swimmers. All have a dull brown/black/olive carapace (camouflage). All lay eggs in sandy areas and/or under rotting woody vegetation.

	<p>The snapping turtle, with a shell 8-14 inches long is the largest turtle. They live in slow-moving areas of ponds, streams, and lakes, lying on the bottom waiting for prey, including fish and small ducklings. Their carapace is bony and ridged; the plastron is so small they can't draw their head, legs, or tail inside. Their powerful jaws can bite off a finger - handle with caution and only by holding them well away from your body by the tail.</p>
	<p>The spiny soft-shell is the only one without a rigid carapace and plastron. Described as a pancake with a head and legs, soft-shells live in calm lakes and ponds and often sun themselves on logs and concrete boat slips. At a distance, they look like flattened rocks. Largest turtle, reaching a carapace length of 25 inches. Mostly eat insects, crayfish. Cannot be picked up safely, have a very long neck and can reach behind if your pick up by their tail and deliver a painful bite.</p>
	<p>The eastern painted turtle is the most common - the one you see in groups sunning on logs at the edges of lakes and ponds. Relatively small at 7-9 inches in length, they are the prettiest with red and yellow stripes on the head and a plastron with bright orange-red patterns - like they were "painted." They eat snails, slugs, crayfish, algae, and carrion.</p>
	<p>The eastern wood turtle has a high, knobby carapace about 10 inches long and is a woodland traveler, often found in woods as they move from one body of water to another. So named because the pattern of rings on their scutes looks like wood. The carapace is yellow with black blotches on each scute. They eat mushrooms, fruits, algae, snails, slugs, and worms, often stomping on the ground to bring up the worms.</p>
	<p>The eastern box turtle is the smallest at 7-9 inches. So named because they can tuck their head, legs, and tail inside their shell which is hinged to form an impenetrable "box". They have brightly colored lines of dots on the carapace/ legs & head. Like the wood turtle, box turtles are terrestrial and move through the forest on their travels between bodies of water. They eat snails, slugs, salamanders, fruits and mushrooms. More southern than the others, they are rarely seen in Keuka's watershed.</p>

All turtles move from one body of water to the next, often crossing roads. If you see one crossing a road and you can stop safely on the side, get out and shoo the turtle into the woods/lake. They often are hit by cars. All are protected by law: it's illegal to keep them as pets. Some, including the spiny, box and wood turtle are fairly rare.

This is a reprinted "Critter Corner", David deCalesta. Many soft-shells were seen after the 8/19 rain storm.



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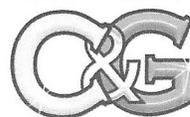
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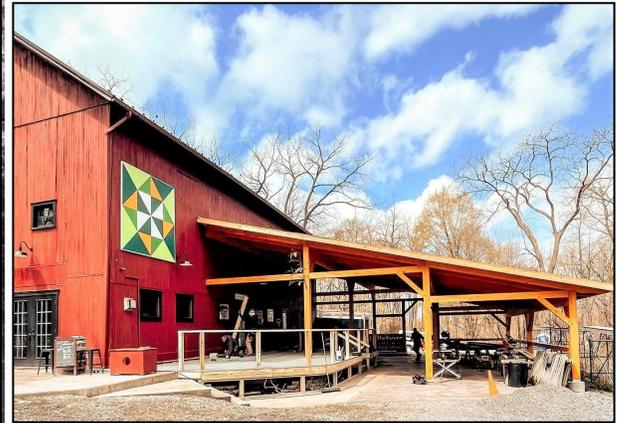
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ANNUAL MEETING MINUTES

July 10, 2021, ZOOM Meeting

A booklet was mailed to all 2021 KLA members containing the following:

- Introductory Letter from Ray Dell with the Meeting Agenda
- New Board Member Bio
- How to Access the KLA Meeting
- Nominations
- Treasurer's Report
- KLA Financial Review Recap
- KLAeidoscope of Keuka Calendar
- Alexander & Esther Wahlig Scholarships
- KLA Navigation & Recreation Report
- Sheriffs' Navigation Report Update - Boating Season 2020
- Update on our Watershed Management Plan - called the Nine Element (9E) Plan
- Watercraft Steward Program (WSP)
- Shoreline Monitoring Program (SMP)
- Water Quality Testing Programs
- Lake-Friendly Living for Homeowners: 15 practices to help protect and improve water quality
- Lake Level & Other KLA Activities for 2019-2020
- Proxy Vote—to be completed and mailed back to the KLA

Agenda for this Meeting will be as follows:

1. Welcome and Quorum Certification—Ray Dell & Ira Goldman
2. Introduction of Current Officers and Directors—Ray Dell
3. Approval of the 2020 Annual Meeting Minutes—Ray Dell
4. Opening Remarks—Ray Dell
5. Introduction of Al & Esther Wahlig KLA Watershed Scholarship Winners—Meg Cole
6. Treasurer's Report—Diane Edwards
7. Recognition of Retiring Board Member—Ray Dell
8. Nominating Committee Report and approval of Board slate—Maria Hudson
9. KLAeidoscope of Keuka 2022—Candy Dietrich
10. Special Reports*: Lake Patrol Report—Steve Hicks, State of the Lake—Dr. Tim Sellers, AIS/Boat Steward Program/Shoreline Monitoring/Stream Sampling/9EPlan/SSW Project - Maria Hudson, Laura Bailey, Mark Morris
11. Questions
12. Adjournment



I. Welcome & Introduction of Current Officers and Directors – Ray Dell

Ray Dell introduced himself and stated that as the Keuka Lake Association's President and at this time, as mandated by our By-Laws, he called the 2021 Annual Meeting of the Keuka Lake Association to order. He also wanted to state for the record that we have the quorum to conduct the KLA's business. He called on Doug DeFranco to comment on how questions will be handled.

He stressed that this organization is very fortunate to have a committed, engaged and active **working** Board of Directors, whose efforts allow the KLA to carry out its wide range of activities that you as members count on. Being a Board of Directors Member is something that indicates a **passion** for Keuka Lake and a desire to **diligently work** to protect and preserve it.

II. Introduction of Current Officers and Directors - Ray Dell

Your Board of Directors:

For Barrington –Steve Hicks and Scott Drake

For Jerusalem –Tim Cutler & Sue Oliver

For Milo – Bill Laffin & Nonie Flynn

For Pulteney – Doug DeFranco and Thom Love

For Urbana – Sam Pennise and Ellen Maceko

For Wayne – Nancy Feinstein and Wayne Hand

At-Large Board Members are –Steve Hicks, John Hagreen, Michael Thomas & Steve Brigham

The KLA's Officers are – Maria Hudson - Vice President
 Diane Edwards – Treasurer
 Ira Goldman – Secretary
 Dennis Carlson - Past President

Ray recognized the very dedicated technical advisors to the Board of Directors:

Dr. Tim Sellers, Associate Provost for Academic Innovation, Professor of Biology and Environmental Sciences, and Director of the Keuka College Center for Aquatic Research on water quality issues.

Mark Morris, Ex Officio Board Member for the 9 Element Plan Development.

Laura Bailey, Invasive Species Educator, Cornell Cooperative Extension Yates County

Scott Demmin, of DSD Webworks on web design and internet issues which includes the real time lake level and water temperature displays on our web site. Scott was unable to attend.

Colby Peterson – Technical Advisor regarding Water Quality – Yates County Soil and Water

Arlene Wilson, Executive Director Cornell Cooperative Extension Yates County, who, also could not attend.

Ray thanked them all for their tremendous support and efforts.

III. Approval of the 2020 Annual Meeting Minutes

The minutes from the 2020 Annual Meeting were distributed in the September 2020 newsletter as well as being posted on the KLA Website. Ray asked for a motion to approve the minutes from the 2019 Annual Meeting. There was a motion from Doug DeFranco, seconded by Steve Hicks to accept the minutes from the 2018 Annual Meeting. As there was no discussion, Ray asked for a vote. The motion was passed.

IV. Opening Remarks – Ray Dell

2020 was a challenging year for everyone including the KLA.

One of the first challenges we faced was to update the by-laws of the Association to comply with the ever-changing Covid restrictions. Changes were made that allowed us to conduct business via ZOOM style electronic meetings. The Communications Committee set up various electronic accounts that allowed the Committee to meet and conduct business.

The Association modified the reporting status of accounts as related to budget thus freeing time needed at our monthly meetings. They also acquired additional financial and accounting software, which allowed for remote accessibility for balance inquiries and vendor payments.

The KLA also reviewed and updated two operational agreements between the KLA and Cornell Cooperative Extension of Yates County. Currently we have in place an agreement to supplement the costs that CCE expends related to the Natural Resource Educator program. This is a valuable asset in that we receive the assistance of the current NRE, Laura Bailey in several different KLA programs.

Additionally, CCE applied for and received a three-year grant from NYS-DEC for Aquatic Invasive Species Watercraft Steward program. This program provides the "inspectors & educators" at the various boat launches that surround the lake.

By collaborating with CCE these two programs, help us to achieve our mission of "protect and preserve."

Our mission to protect the lake also meant that we needed to protect our organization. So, we contacted our insurance companies to review the existing policies and update where needed. The assets and the organization itself must be protected. General Liability, Workers Comp, and Special Project Policies were updated and instituted.

For well over 20 years, the KLA has collected data on the water quality of the lake. We collected data by visual and by deep-water probe retrieval. The probe unit we had needed repairs and could not collect the data that we currently require for analysis going forward. The "old" unit needed repairs and the cost for an estimate exceeded what the useful remaining life of the unit was. If there was, something that Covid was good for it was the cost reduction of new probe. We saved a substantial amount of money purchasing a new probe. We also invested in an underwater camera that will be utilized in our SSW Harvesting Project, which Maria and Laura will discuss later.

Our Mission statement is clear, "To Protect and Preserve." We have collected data of our lake for well over 20 years, but data collection alone is not enough. As we found out late last year, our lake is now under siege by the Invasive Species known as SSW. We need to act now to protect the lake. With federal and state funding either diminished or non-existent, the funds of the KLA will have to be used. These project funds are direct result of your dues and donations. Without these funds for harvesting and eradication projects, invasive species will continue to invade the lake.

The future of the lake is in your hands donate, encourage membership, and volunteer.

V. Introduction of 2021 Scholarship Winners – Ray introduced the 2020 Alexander and Esther Wahlig Keuka Lake Watershed Scholarships to Andrew Hill (who was present) and Myra Rusack.

VI. Treasurer's Report – Diane Edwards – included in written reports. Ray complimented her for keeping "a close eye on our funds."

VII. Recognition of Retiring Board Member – Ray Dell - Ray complimented Thom Love for his service to the KLA, his continued use of his boat for water testing and how appreciative of his dedication to Keuka's welfare.

VI. Nominating Committee Report – Maria Hudson

Maria reported that we had several very good candidates. The committee met numerous times in making their decisions. The biographies of the proposed new board members were in the booklet sent out prior to the Annual Meeting. She introduced the following to the KLA Board of Directors:

Milo	Bill Laffin
Barrington	Mike Gow

Sue Oliver made a motion, seconded by Dieter Bush to accept the propose candidates to the Board. Proxy cards have been distributed and received from members who are eligible to vote and will be voted by President Ray Dell and Treasurer, Diane Edwards.

VII. KLAeidoscope of Keuka – Calendar Photo Contest

On behalf of the calendar committee, Ray complimented the entries and the winners of the chosen photos

VIII. Special Reports – Ray introduced the next portion of agenda and asked that questions be limited until the completion of the meeting.

Navigation & Recreation – Ray for Steve Hicks

1. We have much collaboration with law enforcement
2. Continuing the 5.200 campaign
3. Boating and Fishing Regulations
4. One more year of cisco monitoring
5. Events on the Lake
6. Contacting the Sheriffs

State of the Lake – Dr. Tim Sellers presented 2 years of his "State of the Lake" reports covering 2019 and 2020. His complete reports are on our website.

Water Quality Committee and AIS Reports:

Laura Bailey – She stated our Boat Steward program is in its 7th year. We have 3 full-time stewards. Last year, 2020, was the busiest season: 11,000 boats and 23,000 people. This year, so far, about 2197 people and 700 boats

Maria Hudson – Maria elaborated on her booklet report describing the lake monitoring activities and the starry stonewort projects:

Once a month lake monitoring: test at the surface and depth, get a composite sample, measure for clarity & nutrients, collect plankton.

CSLAP is done twice a month testing for similar factors

This is our 4th year for stream sampling looking for solids, measuring phosphates, nitrogen
Also monitoring for HABs which are analyzed at the Finger Lakes Institute in Geneva.

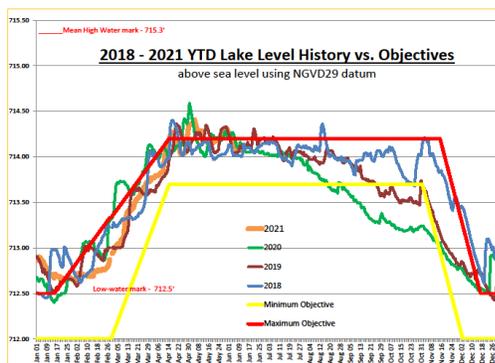
Thanks to Laura and our many volunteers

We also work closely with the DEC, neighboring lakes

Starry Stonewort Project – Marie described the DASH method: a pontoon boat with a suction hose. Divers hand pull the SSW and feed it into the hose. SSW is filtered out and the rest is returned to the lake. DASH stands for “Diver Assisted Suction Hosing”. A grant from PRISM assisted the KLA This will begin Aug. 1st. We cannot eradicate it yet – just try to control it. Ray added that your dues help this project as the state is not providing help. He thanked Jack Wheeler as a “tremendous help” for letting us tie up at his Marina and use his facility. He also thanked the Town of Jerusalem for hauling it away and to Hunt Country for composting it. Maria added thanks to Ethan Hall and the Finger Lakes Museum.

Mark Morris – Mark read his report from the booklet.

Lake Level – Wayne Hand – Wayne showed a Power Point presentation with the following slides:



KLOC & Gate Mgr. have done a good job the past few years in keeping the lake level within the defined objectives range.

However, lack of rain in 2019 & 2020 made it impossible to stay within objectives from Aug. thru Nov.

Hopefully, 2021 will not be the same this summer. KLOC has chosen to try to keep the level toward the high objective, just in case.

Several minor repairs were completed on the control structures (gates) over the past year, with the aid of a \$15,000 KLA grant.

The very dry first half of this year required minimal gate setting changes, the least amount in recent history (most of the time single gate 5” opening with minimum required outflow).

Gate # 1 experienced some damage during closure in early January. A resolution plan is still being developed, meanwhile the gate continues to be fixed at the minimum 5” opening and can’t be altered. The other 5 gates provide adequate outflow control for all except extreme event conditions.

Key Elevations (above sea level in NGVD29 Datum)

Mean high water level – defined as 715.3’ for Keuka, usually where municipal land use regulation boundaries are defined, and their jurisdiction ends.

Low-water mark – defined as 712.5’ for Keuka, the official boundary between shoreline property owners and the state of NY land ownership.

NYSDEC needs to approve any desired modifications located between mean high water and low-water mark
100 Year Flood level – 721’ (per most recent FEMA flood maps, generated in 1977)

FEMA required new construction minimum level for shoreline living areas – 723’ (100 year flood level + 2 ft.)

Communications – Doug DeFranco reported we had 473 responses to our survey. The major result is we are updating our website with a new look that we hope you will enjoy and find easier to use and be a better tool to recruit members.

Financial Review – Cathy Gueli reported that the semi-annual review was conducted in June and all went well.

Membership – John Hagreen stated that membership dues provide the KLA with income and allows us to continue our projects that fulfill our mission. Please help by encouraging your neighbors and friends to join.

Thank you – Ray thanked Tim Cutler for his work with grant applications and Dieter Busch for his SSW research.

X. Questions/Comments followed.

5.200 program – the Sheriffs will do what they can to enforce it.
A discussion on wake boats

XI. Adjournment – Ray asked for a motion to adjourn. The meeting was adjourned after a motion by Bill Laffin, seconded by Dieter Busch and approved by all.

 **SPECIAL NOTE:** *Thank you to Doug DeFranco, our Communications Chair, who has kept us going with ZOOM access throughout these Covid times. We are planning on next year’s Annual Meeting to be held, in person, at Keuka College. As one couple wrote when they renewed: “We miss the live meetings. How else do we get to meet others?” So, let’s hope we will have that chance once again!!!*

KEUKA LAKE OUTLET COMPACT (KLOC) MEETINGS

During the month of August, we heard from many of our members regarding the significant rain event and subsequent lake level rise that brought flooding to the shores of Keuka. Not only did many experience shoreline damage, but many had their boats, docks, rafts and other property float away due to high water levels.

Many of our members expressed concerns as it pertains to proactively controlling the outlet gates in advance of expected significant rain events. As outlined in the past, the KLA does not control the gates, but does participate in the public meetings hosted by KLOC (Keuka Lake Outlet Compact).

Based on feedback from our members we wanted to make you aware of future KLOC meetings so that you can also attend to learn more about KLOC as well as their process for controlling the lake level. The next KLOC meeting will be held on Monday September 27th at 7:00 PM. The meeting is open to the public and will be held at the Barrington Town Hall, 4424 Bath Rd, Penn Yan, NY 14527. The meetings are held every 2 months and their location rotates around the lake The next one will be in November in Wayne Town Hall—date to be determined, due to Thanksgiving.

We urge our members to remain active and be heard as it pertains to issues that impact Keuka Lake, and this is certainly one of those issues. Attending this meeting will enable KLOC to hear from those most im-

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The KLA urges you to support our business members and newsletter advertisers. If you would like further information concerning our business members, please contact the KLA Office or visit our website at www.keukalakeassoc.org to find Business Member listings and links to their websites. *New advertisers/business members in italics* Members who contribute above the \$60 business level are indicated with these marks: *Sponsor Level **Patron Level ***Guardian Level

ACCOUNTANTS/BANKING/FINANCIALS

Bailey Business Advisers-Noreen & Chris Bailey
Commonwealth Financial Group—Timothy Pease
Hayes Asset Management, LLC—Tim Hayes
Lyons National Bank—Penn Yan*

ATTORNEYS

William T. Fletcher*
Carl J. Schwartz, Jr. Esq.*

BOOKS/OFFICE SUPPLIES/CARDS

Longs' Cards & Books*

**BUILDING/PLUMBING/
ELEC. SUPPLIES/WELLS**

Branchport Hardware
Carey's Farm & Home Centers*
HEP Sales
Knapp & Schlappi Lumber Co., Inc.
Penn Yan Plumbing & Heating*
Shirley's of Bath, Inc.

CLEANING SERVICES

Clean & Green Softwash Solutions-
Matthew Pauchel

COMPUTER/GRAPHIC SERVICES

SCT Computers
DSD Webworks

**CONSTRUCTION/ARCHITECTURE/
PAINTING/CONTRACTORS**

Alexander Enterprises
Bright Ideas by Martinec**
D.J. Builders & Remodelers, Inc.
Keuka Construction Inc.
Klugo Construction
Sutterby Construction Services, Inc.
Swagelok Western NY - Cindy & Peter Jobling*
Timber Frames, Inc.

EDUCATIONAL/INFORMATIVE

Cornell Cooperative Extension - Yates
Keuka College*

ENGINEERS/SURVEYORS

Kernahan Engineers-Jerry Kernahan
KV Engineering, PLLC
Richard N. Osgood, PE

FOOD SERVICES

Crooked Lake Mercantile
Morgan's Grocery

GIFTS/CLOTHING

Browsers
Cinnamon Stick
Crooked Lake Mercantile
Keuka Blue Gifts
Longs' Cards & Books

HEALTH/MEDICAL SERVICES

Keuka Comfort Care Home

HOME REPAIR/SECURITY

Covert Security

INSURANCE

Keuka Insurance Group, Inc.
Shaw Agency***
Stork Insurance***

LANDSCAPING/NURSERY/GARDENING

Beers Tree Service
Genesee Tree Service—Steve Schnepf
Jim Covell & Son Tree Service
Jud's Stonehouse Nursery
Meyer's Contracting
Preferred Landscaping
David Spencer Professional Landscaping Service

LODGING/COTTAGE RENTALS

It Shore is Nice Cottage Rentals
Keuka Cottages-Nicholas & Patricia Sadowski
Keuka Lakeside Inn
The Cottages on Keuka-Walter & Kim Colley

MARINE SERVICES/SUPPLIES/DOCKS

Basin Park Marina—John & Karen Wheeler●
Brawdy Marine Construction, Inc.
Dennis Marine-Canandaigua
Hayes Canvas-Norm & Diane Hayes
Mark's Leisure Time Marine—Conesus
Quality Docks
R & R Docks
Veley Enterprises—Steve Veley

PEST CONTROL

Custom Pest Control, LLC

**REAL ESTATE SALES/RENTALS/
DEVELOPMENT**

Brian Mosche-Keller Williams
Camp Arey***
Century 21 Sbarra & Wells*
Curbeau Realty—Bonnie & Dick Curbeau*
Howard Hanna Lake Group—Penn Yan & Hammondsport
Mark Malcolm II - Century 21***
Marcia Rees - Century 21
Mary St. George-Realtor
Howard Hanna Realty - Ken Frank
Howard Hanna Realty -Michael Hanna
Howard Hanna Realty —Jackie Carpenter
Howard Hanna Realty- Stan Olevnik
Keuka Lake Land & Realty

RECREATIONAL/MUSEUMS/ARTS

The Art Studio@126 Main, PY
Cloud Lake Clay
Finger Lakes Boating Museum
Finger Lakes Museum
Fishy Business—Gerald Pease & Joanne Conley-Pease
Lakeside Country Club
Shoreline Rentals
Yates County Arts Council

RESTAURANTS/SNACKS

Burgers & Beer of Hammondsport-Karin & David Fice
Keuka Restaurant*
The Switzerland Inn*

Lakeside Country Club
Top of the Lake

STORAGE FACILITIES

Camp Arey Mini Storage
Mustang Mini Storage

VETERINARY

Eastview Veterinary Clinic

WINES/LIQUORS

Water Street Wines & Spirits*

WINERIES/VINEYARDS

Barrington Cellars—Ken & Eileen Farnan
Doyle Vineyard Management—Matt & Carre Doyle
Dr. Konstantin Frank Wine Cellars
Hunt Country Vineyards*
Keuka Spring Vineyards—Len & Judy Wiltberger
McGregor Vineyard Winery

OTHER

Finger Lakes Connections.com
Finger Lakes Supply - Scott Sprague
Village of Penn Yan

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 December 2021 issue is November 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 ORDER FORM

NAME: _____

ADDRESS _____

TOTAL AMT ENCLOSED _____ CK# _____

Card number: _____

Expiration Date: ___/___ Signature: _____



Please make checks payable to the Keuka Lake Association and send completed order to PO Box 35, Penn Yan, NY 14527.



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.

___ **Dock Plate 6"x12"** (excluding #s—see below) - \$30 incl. S&H
 \$25 if purchased at the KLA Office

___ **Dock Plate 8"x12"** (including #s) - \$45 incl. S&H*
 *Larger plate is special order only—house # plus road or cottage name: _____

___ **Numbers - \$1.00 each for 6x12 plate**
 Fill in your desired numbers here:

KLA DIRECTORS & OFFICERS

President	Ray Dell	Barrington	Scott Drake
Vice-President	Maria Hudson		Steve Hicks
Treasurer	Diane Edwards	Jerusalem	Susan Oliver
Secretary	Ira Godman		Tim Cutler
At-Large	John Hagreen	Milo	Nonie Flynn
	Steve Brigham		Bill Laffin
	Michael Thomas	Pulteney	Cathy Gueli
	Mike Gow		Doug DeFranco
	Dieter Busch	Urbana	Sam Pennise
			Ellen Maceko
		Wayne	Nancy Feinstein
Past President	Dennis Carlson		Wayne Hand

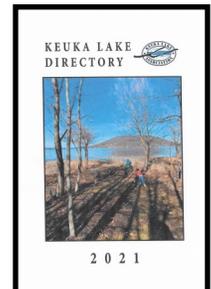
KLA DECALS—FREE!

___ **Two KLA decals**



___ **Two KLA Business decals**

___ **Two 5.200 Decals**
 Signs also available



___ **LP HOLDERS: \$8.00 incl. S&H**
 Available in the above local stores for \$5.00 + tax

___ **2021 Directories: \$10.00 S&H**
 (Have an extra for your home, cottage, car or boat!)

MEMBERSHIP AND KLA OFFICE INFORMATION

MEMBER APPLICATION

Membership year runs from April 1-March 31

NEW _____ RENEWAL _____ (See membership expiration date
On your address label.)

NAME(S) _____

MAILING ADDRESS _____

CITY, STATE, ZIP _____

PHONE NUMBER _____

E-MAIL ADDRESS _____ ADDRESS 2 _____

KEUKA ADDRESS _____

CITY, STATE, ZIP _____

KEUKA PHONE _____

BUSINESS MEMBER WEB SITE _____

Dates I wish to receive mail at KEUKA address: From ___/___/___ to ___/___/___ month/day

I wish to receive ___ e-newsletters & e-notices

I wish to receive Quarterly Newsletter ___ by US mail ___ by e-mail ___ Both

MEMBERSHIP TIER (Check one)

<input type="checkbox"/>	Business-Personal Business - \$60
<input type="checkbox"/>	Basic - \$40
<input type="checkbox"/>	Partner - \$60
<input type="checkbox"/>	Sponsor - \$100
<input type="checkbox"/>	Patron - \$150
<input type="checkbox"/>	Guardian - \$250 & more

METHOD OF PAYMENT (Check one)

_____ Check number

_____ Credit Card

OR Join/Renew on line on our website

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 12:00/2:00 PM. Please stop by if you are in the village. You can contact the office either by phone: call 315-694-7324 (answering machine attached) or email: info@keukalakeassoc.org. Email is checked daily.

Margo G. McTaggart,
KLA Administrative Assistant

KLA 2021 Directory

Please understand that every effort was used in order to publish a useful Keuka Lake Directory. So, please accept our apologies for any errors in your information. We are compiling a list of corrections which we will send out in the future—hopefully in the next newsletter. Also, make sure you add the listing of new members that appear in each newsletter. When you help the KLA with new members, you are helping our mission: to preserve Keuka Lake for future generations.

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 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

KLA Business members and advertisers need and want your support/business!!!

When you need something done or want to make a purchase, please check out the list of businesses on page 24 of this newsletter and on our website under "Resources" > 'Business Directory'. Help is on the way!!

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

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

Seneca-Keuka Watershed Partnership announces progress in watershed plan

Seneca and Keuka Lakes contain more than 50 percent of the water of the 11 Finger Lakes, so protecting and promoting their water quality is important for the role they play in the background of our lives, and as local and regional economic drivers.

WHAT: The Nine-Element plan will be the subject of three more public presentations

WHEN: Oct. 7, 2021: 10 a.m. at Yates County Office Building, 417 Liberty St., Penn Yan: Overview of draft recommendations

WHEN: Feb. 3, 2022: 10 a.m. at Watkins Glen Community Center, 155 S. Clute Park Dr., Watkins Glen: Review of the completed draft plan

WHEN: April 25, 2022: 6 p.m. at Yates County Office Building, 417 Liberty St., Penn Yan: Unveiling the final State-approved plan

YOUR SEPTEMBER NEWSLETTER HAS ARRIVED!