

# Our Glimmerglass

Newsletter of the Otsego Lake Association

# WHAT IS IT WORTH?





Fish Sail Swim Paddle Dive Ski Cruise Float Wade Drink Reflections Wildlife Quiet Clear Safe Children

Images: Left (top to bottom): Fishing - Peter Regan; Firefly - Scottie Baker; Sunset - Peter Regan Center: Mallard - Karsten Paulick; Right (top to bottom): Boat Stern - Jim Howarth; Sailboat - Scottie Baker; Swimming - Scottie Baker





#### PRESIDENTS' MESSAGE

Otsego Lake has been described as an "unspoiled gem".

While New York State has many beautiful lakes, few have as much undeveloped shoreline. Even in the summer, one finds it possible to be one of the few boats on parts of the lake.

Winter sees even more solitude – with camps closed and ice forming. That solitude provides a time for reflection and thoughts on our lake's future.

While quiet and beautiful in the winter, threats continue. Salt from roads and erosion work their way into the lake. With the Spring thaw will come new dangers from plant and animal invasive species.

Unfortunately, 2020 saw the introduction of a new invasive animal – the Quagga Mussel. The Otsego Lake Association stands in the forefront of the battle to protect our lake – educating, advocating, and supporting workers on the front lines.

Thank you for your support of OLA and please continue your efforts and financial help.

Jim & David



Left: 2020 Member Meeting Map of Survey Locations at Clarke Pond from the presentation on European Frog-bit by Sierra Stickney

Other Presentations Include: Thwarting Aquatic Invasive Species in Otsego Lake by Jared Stauss; Hybrid Pondweed Project 2020 by Mary Keefe; Continuous Lake Monitoring Buoy (CLMB) by Kiyoko Yokota.

# 2020 Otsego Lake Association 'Virtual' Annual Gathering

by Mickie Richtsmeier

The OLA annual meeting charted a new course this year. In an effort to respond to public health imperatives and to provide an accessible and safe gathering, we met virtually via zoom. Although we missed the opportunity our traditional annual gathering presents for exploring interesting lake venues, networking with other lake lovers, and getting acquainted over coffee and donuts, we discovered that zoom was a helpful alternative for connecting and learning about the many pressing developments facing Otsego Lake.

Gary Kuch hosted this novel, but jam-packed, program which included a business meeting led by Co-President Jim Howarth, reading of the Lake Citizen award citation honoring Dr. Ted Peters by Wayne Bunn, and informative, up to date scientific presentations by OLA board members, Kiyoko Yokota and Paul Lord. Other highlights of the program were excellent presentations by SUNY Oneonta students detailing their Otsego Lake research findings.

If you were unable to attend, or are interested in complete individual presentations, please go to the home page of the OLA website (<a href="www.otsegolakeassociation.org">www.otsegolakeassociation.org</a>). Scroll down where you will find You Tube links both to the entire virtual meeting as well as to individual presentations.

#### OTSEGO LAKE ASSOCIATION

FOUNDED 2002

OUR MISSION is to educate, advocate and actively participate in protecting the health, beauty, and well-being of Otsego Lake by facilitating the implementation of the Otsego Lake Watershed Management Plan.

OUR MEMBERSHIP is open to any individual concerned with the health of Otsego Lake. Our membership consists of year-round residents, seasonal residents and local businesses.

#### **BOARD OF DIRECTORS**

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David Sanford, Co-President
Scottie Baker, Vice President
Wayne Bunn, Secretary
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Debbie Creedon
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Paul H. Lord

Paul H. Lord
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Mickie Richtsmeier
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### Otsego Lake is Crystal Clear ...

by Paul H. Lord

...Unfortunately, the amazing clarity that we are seeing on Otsego Lake is not all good. A SUNY Oneonta graduate student (and OLA Student Director), Sarah Coney discovered the first invasive Quagga mussel (*Dreissena rostriformis bugensis*) in Otsego Lake while helping Paul H. Lord create a video for an online Lakes Ecology class. Since then, Biological Field Station (BFS) Professor Florian Reyda, extracted Quagga mussels, from the stomach of a small lake trout, while looking for parasites. Lord found Quagga mussels on the Village of Cooperstown water intake now outnumber the Zebra mussels long found there. Quagga mussels are almost certainly responsible for the never-before-seen-clarity in Otsego Lake.

Other lakes in Upstate NY have had infestations of Quagga mussels before us. From their experience, we know that we are in for changes in Otsego Lake. Much like Zebra mussels, Quagga mussels will attach themselves to most surfaces in shallow water. Unlike Zebra mussels, Quagga mussels will thrive in the deep cold waters of Otsego Lake. Because of the shape of Otsego Lake's basin, Quagga mussels will have vastly more real estate to use than do the Zebra mussels. This expanded community of invasive mussels will continue to suck more of the life (plankton) out of Otsego Lake's water. Additionally, light is reaching more of Otsego Lake's bottom with the result that our rooted aquatic plants and macroalgaes are growing in Otsego Lake waters deeper than has been seen by the BFS previously.

These invasive mussels prefer photosynthesizing plankton which don't harbor toxins. The result is that our Otsego Lake plankton community may become sometimes dominated by those cyanobacteria responsible for hazardous algae blooms (HABs). HABs have been in the news, in the last several years, because of their impacts on humans and pets. Thus far, Otsego Lake has not had an HAB.

With the loss of desirable plankton, we may also see changes in our fishery as young-of-the-year fishes might have to work harder to find their meals.

Other invasive species lurk at the ramps around Otsego Lake. Any bit of water left undried and untreated can harbor Spiny waterfleas and Fishhook waterfleas which will further impact our fisheries. No untreated wet materials should be transferred between waterbodies. This includes kayaks, canoes, pfds, wet bathing suits and water left in bait buckets and the bilges of motorboats. See one of the CRISP stewards on duty around Otsego Lake for more information or go to <a href="https://www.dec.ny.gov/animals/48221.html">https://www.dec.ny.gov/animals/48221.html</a>.

Be certain the BFS staff will continue to monitor the situation.

## **EMERGENCY REQUEST FOR BOAT MOTOR**

On October 17, 2020, the BFS Volunteer Divers, with tending assistance provided by Peter Regan, Kiyoko Yokota, long-term tender Wayne Bunn and Tim Moore, retrieved our Otsego Lake No-wake Zone Buoys (NWZBs) and replaced them with spar buoys. Divers included Lee Ferrara, Jim Vogler, Tasha Youngs, Sarah Coney, Rachel Zeino, and Chris Cincotta. Our next major event of interest is the Continuous Lake Monitoring Buoy (CLMB) swap, scheduled for the first weekend in December. Thank you for your support of both of these programs. Emergency request for a used 50-120 HP boat motor due to the unexpected failure of the current one - necessary to retrieve the data buoy.



ABOVE: Sample of mussels from Village of Cooperstown water intake separated by apparent age classes. Quagga mussels at top; Zebra mussels at bottom; Photo by Paul H. Lord. BELOW: Pigging the Water Line; Photos by Peter Regan



#### **WOOD ON WATER**

#### Every wooden boat has a story to tell.

Compiled by Scottie Baker

#### VINTAGE CRAFT by Sue Silvernail

"Our love of wooden boats started in the summer of 1999 when we bought our cottage on Otsego Lake, camp Natty. We took a ride on Chief Uncas that we really loved! After that ride, we visited the Chris Craft museum. Then fate stepped in when we had lunch at the Blue Mingo and happened to look in the boat storage buildings. We could feel the nostalgia and potential of one boat owned by Bob O'Neill of Bay View cottage. We bought that 1936 18' Chris craft Deluxe Utility 12/30/2000. That summer, we loved going on evening slow cruises along the shores of Otsego Lake. We feel like it is 1936, quiet and peaceful, enjoying the smooth ride and watching the moon rise. We still have her, called 'Miss Natty'.

Our other wood boat is a Hackercraft. We first saw Suzie and Bob Kingsley drive by in their Hackercraft as they looked at our Chris Craft, and we spoke about our love of wooden boats that day. Then we visited Silver Bay just North on Lake George to the Morgan marine boatyard. They let us watch them as the men were making Hackercraft one at a time! Such craftsmanship we had never seen before. We were hooked at the beauty. In 2011 we bought a 25'Hackercraft Sport Model made in 2000. The Hackercraft technology and design is much improved from the Chris Craft. It planes so easy and smooth and purrs like a kitten.



What a pleasure to enjoy these wooden boats from different eras."

# D V X A Z

Photo by Jim Howarth;

Wooden boats are authentic, sculptural vessels, jewels that enrich the landscape and remind us of our tradition-rich past.

A WOODEN BOAT ADDS TO THE BEAUTY OF THE DAY!

#### THE GIESLER STORY by Jim Howarth

My boat is a Giesler, made in Ontario, Canada. In 2005 I saw one around the Lakefront Motel and asked the usual question of the owner, "How old is your boat?". He replied, "It's brand new. I just had it made". He gave me the phone number of B. Giesler and Sons Ltd. in Powassan, Ontario and I called the number. Mr. Giesler answered the phone and explained that his father had started the company in the 1920's, that he was now in his mid-80's, and that he and his three sons now run the company. They build boats from native cedar using the same patterns from the 1920's. All boats are built to order.

We talked for 20 or 30 minutes and I decided that I wanted him to build a boat for me. We discussed details and the different variables offered on the basic design of their 18' "Georgian Bay" model. I asked how long before I could get it and he said, "About a month". I asked about payment and he asked for half down and the balance on delivery. It was all a phone call - no contact of paperwork of any kind. I asked if we wanted anything else from me and he said that people that liked wooden boats were honest and that he trusted them!

A month later the boat was delivered. The boat (pictured at left) has been great.



Left to Right: Jim Patrick's 1964 21' Lyman; Jane Clark's Marra Nattah; Jim Patrick's 15' Comet; Lou Hager's Chief Uncas; Photos by Wayne Bunn.

#### THE "RAMBLER" STORY

by Steve & MJ Harris



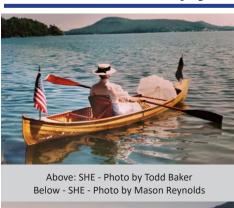
The Rambler is a heavy boat but tops out at around 40 MPH. It was built in 1949 at the Shepherd Boatworks at Niagara on the Lake and had spent its entire life on Lake Winnipesauke, NH until being found and purchased in 2008 by Snake Mountain Boatworks of Vermont near Lake Champlain.

A comprehensive restoration was completed by Snake Mountain Boatworks over a six-year period and the boat was launched in 2014 on Lake Champlain. Save for few small Dutchman patches she has retained 100% of the boat's original planking, both below and above the waterline. All brightwork and original spotlights original Chrysler Steering Wheel, original chrome dashboard and gauges, original rear lighted mast and the original and unique "button" cleats are still upon it.

That boat, the 1949 Shepherd 22' Phantom became the 'Class of '49 - Winter Harbor' when it's Full Restoration back to it's original "like new" condition was completed 5/29/2014 and it was sold and begin the long trek back to Lake Winnipesauke and to her new port in Winter Harbor, NH. See video from Snake Mountain Boatworks . . . https://youtu.be/j7L-h4Nv2tk and https://www.youtube.com/watch?v=Oe9efzwCnbg

Two years later and with only 12 running hours on the newly refurbished motor, the boat came back to Snake Mountain Boatworks for resale. The boat was given a touch up and redo and was sold to Tom and Barbara Miller from Hershey, PA who re-named it the Rambler and kept the Rambler on the Susquehanna River and summers on the St. Lawrence River. They owned it from 2016 until we purchased it in June in the year of Covid, 2020. See video from Snake Mountain Boatworks.

My entire life (since I was nine years old) has been on fresh water and around boats. My family and I have owned several wooden boats including a 1935 34' Chris Craft Cruiser, a 1952 32' Lyman Utility and a 1992 20' Canadian Freighter Canoe. Wife MJ (Mary Jo) and I have been looking for a wooden boat to run on Otsego Lake for several years now and when MJ found the "Rambler" for sale on Antique Boat America, out of Clayton, NY on the St. Lawrence - we were so delighted . . . We love our new old boat! Catch a ride with us sometime! For now, we are keeping it at Sam Smith's Boatyard. Stephen & MJ Harris and the "Harris Crew"!





#### THE STORY OF SHE by Scottie Baker

SHE is an 1896 cedar, lap strake paddling canoe. It was purchased by Dave Baker in 1992 and later restored by Scottie, Dave, and Jack Mc Grievey. Her builder is unknown, but the brass letters on her bow say her name.

SHE hung overhead in the "big boathouse" of the Oquossoc Angling Association in Maine (the oldest private fishing club in the United states). Originally, the name SHE was thought to stand for S. Huntington Earhart, a club member, but alas... his name was actually 'Charles', so instead, it was thought that the English novelist Sir Henry Rider Haggard (1856-1925), who wrote the book titled 'SHE' had a role in the naming of the canoe. "She who must be obeyed" written in his book, was echoed by 'Spike Kidder' (long time manager at Oquossoc). "If you paddle her, you better be able to spit straight. Look straight ahead. Don't roll your eyes right or left"! The heavy waters of that Rangely Lakes area were navigated by the sturdy rowboats of the same name, so it was speculated that a small canoe was no match. Likely, it is why SHE hung overhead inside, preserved for so many decades.

Here, on our Otsego Lake, SHE is very safe, steady and comfortable with plenty of leg room. Add a cushioned seat and back in the center, a wooden double paddle, a picnic, and everything is set for a glorious day on the water in a lovely vintage boat! Sidebar: the antique double paddle says 'GUS' on the blades.......... I do not know... and likely never will!

# **ANNUAL "We Love Our Lake" DECORATED BOAT PARADE - 4th of July**

by K. Wayne Bunn

Annual "We Love Our Lake" Decorated Boat Parade - 4th of July Wow – what a great boat parade we had on the 4th of July! We estimated that between 45 and 50 boats of all types actually participated in the parade (even Jane Forbes Clark in her classic boat the Marra Mattah) plus many more observed from the lake or from shore. We had the right combination of things this year – the 4th of July was on a Saturday, the weather was nearly perfect (sunny, warm, very slight breeze, no rain or threat of rain), a record number of boats on the lake (never have seen so many), and we were "the only game in town" that day due to the Covid-19 virus (no Springfield parade, no community band concert, no chicken BBQ, no concert at the State Park, no opera, no fireworks, and no Dreams Park). The parade, led by the SUNY Oneonta BFS barge "Anodontoides" with Paul Lord at the controls, started at 3:00 PM at Three Mile Point, proceeded slowly down the westerly shore of the lake, and ended at the Lakefront Park in Cooperstown at about 3:45 PM. Due to the Covid-19 restrictions, we were unable to award and hand out prizes or hand out candy this year. However, we did stress that all boaters and observers follow the CDC guidelines for social distancing and wearing of face masks.

We wish to express a big "Thank You" to everyone who helped with the boat parade in any way, especially the BFS for the use of their barge plus The Freeman's Journal and The Daily Star/Cooperstown Crier for some great publicity and coverage. It was a very difficult decision on whether or not to hold the boat parade this year given the situation with the Covid-19. However, we are glad that we did decide to hold the boat parade because we all needed some "normalcy" and fun during these very trying times. And fun it was!

We look forward to another family-oriented, fun-filled "We Love Our Lake" Decorated Boat Parade in 2021.





2020 Boat Parade - Above: Photo by Sarah Coney; Below: Photo by Tim Pokorny; Bottom: Photo by Veronica Pokorny;



"I always enjoy seeing classic wooden boats on Otsego Lake - a reminder of past elegance."

K. Wayne Bunn



# What Makes a Lake Color "Seafoam Green"?

by Paul H. Lord

Question: I live in Richfield Springs. The Canadarago Lake has had a "seafoam" green surface color for about 2 weeks. Could it be from increased boat traffic and lake use this year and more particles suspended?

**Answer:** Foam on the waters is the result of decomposition in the water. This is normally natural. Small photosynthetic organisms (algae) typically live only for a couple of weeks or less. They live a boom and bust existence with one species dominating in a particular mix of light, temperature, wind and nutrients. When a dominant algae dies back, we can expect some foam. Aquatic plants include some plants that bloom and die back early and some that bloom late and persist recognizably under the ice until spring time. When a species of aquatic plant is dying back, we expect to see some foam on the waters.

## Otsego Lake Use Statistics for 2020

Statistics of boats coming through the public launches on Otsego Lake this year compared to last year. This data is interesting, amazing, even alarming - showing a 242% increase in boat traffic this season! Reported by Sarah Coney

YEAR	2019	2020
ILAN	2019	2020

Lakefront 506 2020 (not a typo)

 Springfield
 146
 211

 Total
 652
 2231

151 decontaminations were performed in 2020 compared to 34 in 2019.

#### Otsie - Otsego Lake Monster Story - LAKE LORE

I was on a slow, boat cruise near 3 mile, back in the late 1980's/early 90's with my wife and friends. The lake was calm and the evening was warm, but what transpired still brings a chill. Without warning, something I had never seen before suddenly emerged, breaking the smooth surface of the water. It was grayish in color, about the size of the back of a very large dog, or the hood of a small car. It disappeared down under. I was told that it was Otsie, the Otsego Lake monster!

By Bill Murdock

#### This version is from Peter Fry as told to Wayne Bunn.

I spoke with Peter Frey, Aalsmeer Motel & Cottages, tonight and asked him if he knew anything about the Otsego Lake monster named Otsie. He started laughing and said that he knew about it. As he related the story: some years ago Sam Smith's Boatyard sold tee shirts and sweatshirts that noted the Otsego Lake monster - it had the words Otsego Lake Monster and a photo of an outboard propeller with all three blades "chewed up". Peter said that it related to the fact that many boaters, unaware of Sunken Island, ran their boat over the island and hit the large rocks with their outboard propeller, thus chewing them up. The locals told the boaters that it was caused by the Otsego Lake monster named Otsie. There were (still are) some other areas in the lake with similar large rocks that chewed up outboard propellers and that was also blamed on the monster. I don't know when the State started installing the buoys around Sunken Island - perhaps Dr. Harman might know - but I don't believe the buoys have always been there. Anyway, I like the story.

**To our readers:** Does anyone have any knowledge about an Otsego Lake monster named Otsie? If so, please contact us. You will be published in the next OLA newsletter!



#### **ITCHY?** by Betty VanHeusen

If your skin tingles or itches after being in shallow lake water you may have an allergic reaction to microscopic cercariae larvae. This condition is commonly known as swimmer's itch. It occurs in many NYS lakes and different varieties are found throughout the country and elsewhere. The condition can crop up in isolated clusters around the lake shore and not be found in the same location in subsequent months or years. The parasite has a normal life cycle between waterfowl and tiny snails which live in marshy and shallow water. When humans and other mammals mistakenly come in contact with the parasite it burrows into the outer skin layer and dies. If a person is allergic, the first reaction will be mild and may take a week or more to develop. Subsequent reactions can occur immediately after getting out of the water to a few hours later. As with most allergies, each reaction will get stronger and more annoying. You can avoid or minimize problems by swimming in deep water, avoiding marshy areas, wearing waterproof sunscreen and drying off or showering immediately upon exiting the water. The itch is not contagious and can be treated with over the counter medications. It is important not to feed ducks and other waterfowl because this can lead to expanded population and gathering near human swimming areas which increases the problem.



#### **CLMB UPDATES**

Kiyoko Yokota, Ph.D., CLM, OLA Technical Advisor

The spring deployment of the Otsego Lake Continuous Lake Monitoring Buoy (CLMB) was delayed by almost two months due to the COVID-19 pandemic. Following the numerous inquiries about the winter buoy setup that remained in the lake until late June (details in the Spring 2020 newsletter), SUNY Oneonta Biological Field Station (BFS) Volunteer Dive Team successfully deployed our CLMB on June 26, 2020 with far fewer hands than usual, due to the social distancing requirement. The water column at the buoy site off 5 Mile Point had already stratified (formed layers) for the summer:  $23^{\circ}\text{C} = 73^{\circ}\text{F}$  at the surface and  $5^{\circ}\text{C} = 41^{\circ}\text{F}$  near the bottom (48 m = 157.5 feet below surface).

Our CLMB (approx. \$70K purchase price) was funded by a National Science Foundation (NSF) grant in early 2017. The grant covers one-time purchase of equipment but not ongoing maintenance or repair. Because of this, NSF requires financial commitment from the institution to support the funded equipment as part of applications. The School of Sciences at SUNY Oneonta has been supporting basic recurring costs for the CLMB such as annual calibration and service of sensors with parts that wear out and data service fee, which allows transmission of data from buoy to a data center via Verizon wireless network. The School also supported the replacement of the weather station which unfortunately failed soon after the warranty expired. We still had certain issues with the new replacement weather station until late August, but with the persistent tech support from Fondriest, the buoy system manufacturer, the whole system is now working as expected.

Other items that had to be replaced on the CLMB this season include the underwater anchor cables and a solar rechargeable battery for the main beacon. This fall we have started to get low voltage warning when we had multiple cloudy days in a row, which could be that the main rechargeable battery for the buoy is losing its storage capacity and/or that the solar panels are deteriorating. Many data buoy parts have expected longevity of 3-5 years, and keeping older buoys operational is a common challenge for many buoy sites (e.g., Illinois-Indiana Sea Grant's Michigan City buoy and its fundraising effort https://iiseagrant.org/mc-buoy-damaged-2020/). I am constantly looking for grant and other funding opportunities to keep our CLMB going – please let me know at <a href="mailto:Kiyoko.Yokota@oneonta.edu">Kiyoko.Yokota@oneonta.edu</a> if you come across programs that we could apply.

The silver lining of the delayed CLMB deployment and weather station failure was learning how our CLMB data were being missed by various community members! I was amazed that our wind data have been helping world-class rowers plan their training sessions on Otsego Lake. OLA has been the fundamental supporter of our CLMB project from the planning stage, and we are very happy to know that CLMB is giving back useful data to the members and friends of OLA so that they can plan their activities on the lake better. I firmly believe that science should be open and accessible to all, and we argued in our grant proposal that this will be the major broader impacts of the project. With the recent sighting of quagga mussel, a new invasive species, it is even more important to keep collecting high-frequency water quality and weather data so that we can study how this new invasion may affect the entire lake ecosystem over time in conjunction with changing climate patterns.

We plan to swap the CLMB with our winter buoy setup in early December. Our non-transmitting temperature loggers will keep recording water temperature under ice through winter. If you are planning to take out a snowmobile, ATV or a vehicle when ice is thick enough, please watch out for our winter buoy setup, which will be protruding above the ice where you would have seen the yellow CLMB during summer.

I wish you happy holidays and hope to see you around the beautiful Otsego Lake!



ABOVE: Water damage found inside the failed weather station at the service center in Germany (photo credit: Lufft)
BELOW: Two of the many troubleshooting and

adjustment sessions after deployment this summer.

Top: July 14, 2020. Bottom: August 6, 2020. (Both are at the same site off 5 Mile Point)

Photos by Kiyoko Yokota





#### OTSEGO LAKE ASSOCIATION

P.O. Box 13 • Springfield Center, NY 13468 www.otsegolakeassociation.org



## www.otsegolakeassociation.org

Dear friends of Otsego Lake,

What a splendid sheet of water we share! Its surface and nearly half of its shoreline barely changed from Fenimore Cooper's description.

If you fish it, or if you sail it, swim in it, dive under it, ski on it, cruise it, tee off alongside it, soar over it, bike beside it,

If you photograph it, paint it, or if you study it, if you skip smooth shale stones across it,

If you dwell on its shores, if you dine along its edges, if your business relies on it,

If you get your drinking water from the lake.

#### WHAT IS IT WORTH?

If you haven't before, it is time for you to join your Otsego Lake Association to help us preserve our clean, healthy lake. If you already are on our team, thank you! Be sure to stay with us!

We are the only 100% volunteer organization devoted exclusively to the well-being of Otsego Lake!

We are on a mission to defend the Lake's essential values. Together, we pay attention to the lake day by day, always alert to emerging threats. We share information and create educational opportunities. We conduct research. We also "get our feet wet" building shoreline buffer strips, maintaining navigational buoys, inspecting at boat launches and so much more.

ANNUAL MEMBERSHIP: RENEWAL OR NE	W MEMBE
ANNUAL RATES: Individual (\$25) Family (\$35) Business (\$5	
MEMBERSHIP AMOUNT	\$
ADDITIONAL DONATION AMOUNT	\$
TOTAL ENCLOSED	\$
Name:	
Email Address:	
Mailing Address:	
City: State: Zip:	
Phone Number:	
Mail this form with payment to:	
Otsego Lake Association, PO Box 13, Springfield Center, NY	13468.



#### STOP THE SPREAD OF AQUATIC INVASIVE SPECIES!

#### AFTER TRAVELING ON ANY WATERWAY:

# CLEAN

## DRAIN

## TREAT







#### **ALWAYS**

**Remove** mud, plants and animals from your boat and gear. Dispose of them in a trash container or on land away from waterbodies.

#### IF POSSIBLE

Rinse your boat inside and out, including rudder, paddles and other gear. Use hot water when available.





#### **ALWAYS**

**Drain** water from hatches, boat wells, bags and bailers while still at the waterbody you are leaving to avoid transporting plant fragments and animals.

#### HIDDEN HAZARD!

Floatation protects paddlers and hides invasive species.
\*Solution\* treat hidden compartments. Best: concentrated potassium chloride. Other: dilute bleach, concentrated vinegar,

concentrated sodium chloride.



Department of Environmental Conservation

#### ALWAYS

**Dry** your boat and gear. Aquatic invasive plants and animals need moisture to survive. If you use a towel, stow it and clean it later.

#### IF POSSIBLE

Alternate between pairs of shoes when paddling on different waterways. Tread, straps and laces can harbor invasive organisms not visible to the naked eye. When you're done, thoroughly clean and dry footwear.

STOP THE INVASION
PROTECT NEW YORK FROM INVASIVE SPECIES

Imagery developed by the Northern Forest Canoe Trail, with support from the Lake Champlain Basin Program.

For information about invasive species regulations, visit: www.dec.ny.gov/animals/99141.html