

Ripples

2023

**300 – 400 Million
Gallons of Wastewater
Go Into The Ground
Every Year
In Brewster.**

Does Brewster Have A Plan?

Story on page 7



Protecting and improving the health
of Brewster's ponds through science,
education, and advocacy

Lower Mill Pond Cyanobacteria Bloom, August 2022

A MESSAGE FROM THE PRESIDENT

Dear Friends and Neighbors,

After eight very successful years, a key outcome of the BPC Board's recent strategic planning meeting was the decision to update the BPC mission statement to better reflect our evolving goals and priorities. Our new BPC mission statement is:

To protect and improve the health of Brewster's ponds through science, education and advocacy

We also identified how we will measure success toward achieving this mission, including a town program to annually monitor and report on pond health, adoption and implementation of a comprehensive town-wide water protection plan that addresses nutrient pollution from septic systems, and a community educated about the importance of protecting our water resources and willing to fund the projects needed to do it.

Specific goals for 2023 include working with the town administrator and select board to sponsor an article on the spring town warrant to fund a town-wide comprehensive water study/plan; continuation and expansion of water quality testing and scientific research; working with neighborhood groups, the DPW, DNR, and Conservation on pond remediation projects; and educating the community about water quality issues and their critical role in protecting this important resource.

With the help of our members, business partners and dedicated volunteers, we look forward to working with the town administrator, select board, and town departments to accomplish these goals. Brewster has shown time and again that we are a community that prioritizes protecting the environment and values our precious water resources so important to our quality of life. Working together, I am confident that we will accomplish our mission, and with your help, make great strides this year.

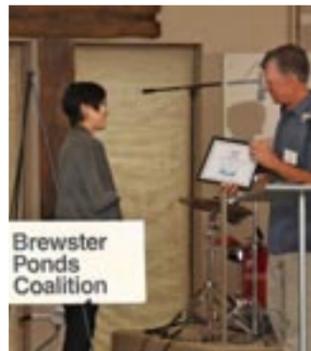
Put on your waders and let's get to work!

Sincerely,
Susan Bridges



Making A Big Splash

The Splash Award is always a highlight of the BPC Annual Meeting. This year Amy Darbyshire and Shirley Vautin were honored for their many contributions. Amy, a recent graduate of Mass College of Art, designs many Communications Team efforts for the BPC including all newsletters. Shirley is a key member of the Pond Education Team and responsible for many aspects of the updated 2nd and 5th grade puppet shows, including puppet design, script writer, organizer and producer.



From left to right: Amy Darbyshire, Konrad Schultz, Marcia Kielb, Shirley Vautin

Table of Contents

President's Message Splash Award.....	2
Pond Summit & Scholarship Programs.....	3
Children's Pond Education.....	4
Citizen Science	5
Cover story: 	
<i>Does Brewster Have A Plan?</i>	6
Membership.....	8-9
A Personal Take on Climate Change.....	11
Members In Action.....	12-13
Annual Meeting & Pond Protection Pledge.....	14
Pond Neighborhood Outreach	15

Brewster Ponds Summit 2022



The Brewster Ponds Summit 2022 was held on Friday, June 17, at the Brewster Baptist Church. It was jointly sponsored by the Brewster Ponds Coalition and the town of Brewster. The summit focused on the impact of septic system nutrient loading to groundwater and ponds – a subject discussed in more depth elsewhere in this magazine. The summit included discussion of possible means to address septic system nutrient discharges, as well as ways to fund and manage such projects. After a welcome by BPC President, Susan Bridges, and Town Administrator Peter Lombardi, five presentations were given by a panel of experts:

John Keith, Vice President of the Brewster Ponds Coalition and an environmental engineer, reviewed the freshwater nutrient problem facing Brewster Ponds. Mark Nelson of Horsely-Witten, the Town's environmental engineering firm, discussed what Brewster has done to protect ponds and groundwater (notably land

purchases), possible approaches to address freshwater quality issues, and possible costs and funding sources. Brian Dudley, recently retired Massachusetts DEP Section Chief, discussed the advantages and challenges of sewer systems and sewage treatment plants as a possible means to address the pond and groundwater protection challenge.

Brian Baumgaertel, Director of the Massachusetts Alternative Septic System Technical Center, reviewed septic system upgrades, some still experimental, that can effectively remove nitrogen and phosphorus from domestic wastewater.

Nate Keenan, Deputy Director of Massachusetts Clean Water Trust, presented information about funding alternatives, including funding from the Cape and Islands Water Protection Fund and state SRF Loan Program.

Following the presentations, there was an active question and answer period, moderated by former Ponds Coalition President Tom Vautin.

The summit was very well attended, with over 160 people attending in person or via live streaming by Lower Cape TV. Included in the attendees were leaders and administrators from the town's Select Board and Departments of Natural Resources, Public Works, Health, Conservation, Planning and Water. A video of the event can be found on the BPC website VIDEOS page.

Special thanks to Key Business Partner Michael Leighton Realty for sponsoring the 2022 Ponds Summit.

2022 Scholarship Awarded

The BPC Scholarship Committee is pleased to announce that Gavin Ellis was the recipient of our 2022 Nauset Regional High School \$1,000. Scholarship. Gavin is attending URI and is majoring in Environmental Engineering. Congratulations, Gavin!

Any Cape Cod Technical Regional High School and Nauset Regional student who meet the many requirements and qualifications put forth in the scholarship packages in each school guidance department is encouraged to apply for our 2023 scholarship to be awarded in June 2023.



From left to right - Susan Searles, Gavin Ellis, - recipient, Mary Mauterstock, Marcia Kielb and Cameron Ferguson.

Children's Pond Education Program



Volunteer Jan McGann viewing Smalls Pond with students

Down by the pond...Have you ever seen a water scorpion, dragonfly nymph, or a water strider? Did you know there are plants that act like animals and animals that look like plants in our beautiful ponds here on Cape Cod?

Our 2022 in-person field trips for over 150 second and fifth graders from the Stony Brook and Eddy Brewster Elementary Schools saw some of these, thanks to the tireless efforts of our many volunteers and our chief collector and biologist, Doug Smith.

There were many oohs and aahs in the air as discoveries were made by looking through water magnifying/viewing scopes and dishwashing basins. Carefully transferring the numerous macroinvertebrates we collected in various containers gave us a different view of

the many critters that are surviving and hatching in the spring.

The students also viewed our enhanced puppet show on our brand new stage—complete with Bluetooth sound. That was the only wireless connection for over 45 minutes and we all survived!

The fifth grade students were presented with take-home bags as a token of their completion of the Ponds Curriculum. Many thanks go to the Brewster Water Department and others for their contributions to the bags. The bags included several pieces of literature for students to share with their families about how to protect our ponds and water supply with our own actions.

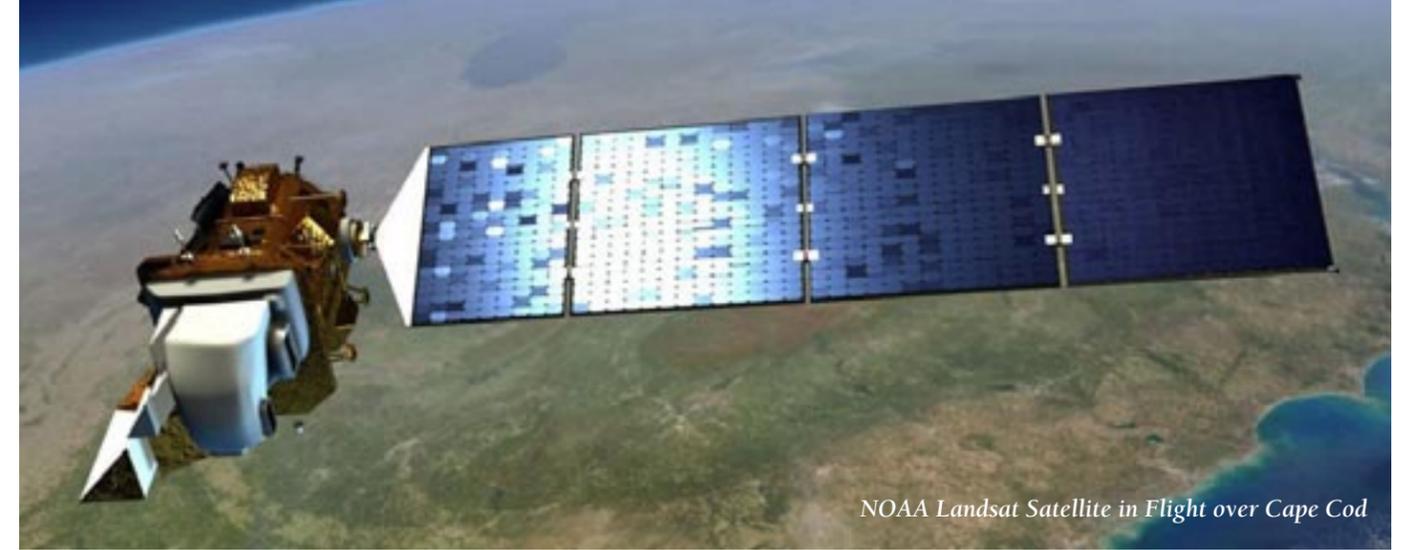
The Pond Education Committee looks forward to another exciting time in 2023 and would like to thank the teachers and aides from the schools who make this curriculum possible.

We have our calendars marked for May 30th - June 9th, 2023, for upcoming field trips.

If you or anyone else would like to join us, please contact Marcia Kielb at marcia.kielb@brewsterponds.org.

Special thanks to Business Partner J.M. O'Reilly for sponsoring the Children's Pond Education Curriculum.

Volunteers performing the Puppet Show for students at Long Pond



NOAA Landsat Satellite in Flight over Cape Cod

Citizen Science Soars to Space in 2022!

Our 2022 Citizen Science program took off and soared this past summer! In another groundbreaking science project, the Brewster Ponds Coalition began working with the Cape Cod Commission on an important element of a new Freshwater Initiative: remote sensing. At select freshwater ponds, satellite imagery is being tested as a method to measure general pond health and water clarity. We participate by taking secchi disc depth measurements from each pond's deepest point to be compared with the results quantified by the overhead satellite.

We coordinate our citizen "on the pond" test dates with the National Oceanic and Atmospheric Administration (NOAA) satellite flight schedules. The following ponds were selected for the study: Upper Mill, Lower Mill, Sheep, Seymour, and Long.

The use of both remote sensing data like satellites and field sampling will provide a more complete picture of overall Cape Cod pond health. We will report back the results of the comparison at the end of the year!!



Secchi Disc lowered into Lower Mill Pond to measure clarity

Meanwhile, back on earth, our cornerstone cyanobacteria pond monitoring program was in full swing again this year. Our volunteer citizen science team, composed of people of all ages and backgrounds collects water samples biweekly from May through

October at their assigned pond. The samples are then tested for toxic cyanobacteria by our partners at APCC and the University of New Hampshire. All high toxin results are forwarded to the Barnstable County Lab for further review and discussion with the Health Agent in Brewster, pending final decision.

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Anne Jacobson and Debbie Dunn monitoring Seymour Pond

The 2022 accomplishments of the citizen science team:

- 18 Brewster ponds were sampled by 53 volunteers.
- Over 300 samples were collected for testing and cataloging.
- Use Restriction advisories were posted at Lower Mill, Schoolhouse, Walkers, and Cliff Ponds.
- Timely results were delivered to the Town of Brewster and BPC subscribers.

The philosophy of our Citizen Science program is to increase community awareness of pond ecology through education, research, and participation.

Contact Marty Burke to join our Citizen Science team!!

Does Brewster Have A Plan?

Cyanobacteria bloom Lower Mill Pond August, 2022

By John Keith and Susan Bridges

Water quality issues on Cape Cod have been a growing concern for over 25 years. The causes are mostly due to human development—more houses, more roads, more lawns. Number one among the human causes—accounting for an estimated 80-85% of water impairment to freshwater ponds and estuaries—is nutrient loading from septic systems, specifically nitrogen and phosphorus. Fertilizer and stormwater runoff make up the remaining 15-20%.

Why are nutrients bad?

Nitrogen and phosphorus are essential for living things, but an overabundance in ponds or sea water promotes excessive algae and cyanobacteria growth. Cyanobacteria and algae blooms deplete the oxygen in the water and can lead to fish kills and loss of aquatic life, including turtles and frogs. Cyanobacteria blooms also produce toxins that can be life threatening to humans, pets, and wildlife. Blooms have become more and more frequent in Cape Cod ponds. When blooms occur, health departments post warning signs against the use of the pond for recreational activities—something that happened several times this past summer in Cliff, Walkers, Lower Mill, and Schoolhouse ponds.

Putting it into perspective

Every home, communal living facility, restaurant, business, and school in Brewster is connected to a septic system. In total, these septic systems process 300 to 400 million gallons of wastewater every year, the equivalent of 2-3 average-sized swimming pools per household! All of the wastewater from these houses and other buildings flows to septic tanks where the solids settle and harmful bacteria is treated. From the tanks, the wastewater, still containing most of the nitrogen and phosphorus, flows to a leach field and then to the sandy soil below. The wastewater percolates down through the sand to the underlying aquifer and from there flows slowly in the ground to a pond or to the Cape Cod or Pleasant Bays, as well as to any wells in the aquifer.

Tackling Problem #1

Although we've known for years that septic systems are the number one source of nutrients impacting our ponds and bays, Cape Cod towns have been slow to develop remediation plans. The solutions are expensive and/or have been experimental. There are basically four ways to solve the problem: sewerage and sewage treatment plants, alternative septic systems that re-

move phosphorus and nitrogen, or a combination of the two. The fourth option, composting toilets, appears to be an even harder sell.

What Other Towns Are Doing

Most of the 15 towns on Cape Cod are building or planning to build sewer systems and sewage treatment plants to replace septic systems in much of their towns, particularly in densely settled areas. Provincetown, Barnstable, Chatham, Orleans, and Falmouth are in the process of expanding systems that have already been built. Harwich, Mashpee, and Yarmouth are also moving forward with approved plans, while Dennis is in the planning development phase. Wellfleet has developed a phased plan including a mixture of upgraded septic systems to remove nitrogen and semi-permeable barriers to remove nitrogen in the aquifer before the water reaches Wellfleet Harbor.

What about Brewster?

Only Truro and Brewster do not have a comprehensive plan in the works to address the problem of nutrients from septic systems.

The only area of Brewster where action is actively being planned at present is where the aquifer flows towards Pleasant Bay – basically the southeast corner of town. Yet, this is one of the least densely populated neighborhoods (fewest septic systems) and contains the most open space. Other large areas of Brewster have not been studied because the Massachusetts Department of Environmental Protection (MassDEP) focus in the past has been primarily on Cape Cod's bays and estuaries.

Pleasant Bay is considered impaired due to excess nitrogen discharges by MassDEP. Brewster is currently part of the Pleasant Bay Watershed Permit along with Orleans, Harwich and Chatham, charged by the MassDEP with reducing the flow of nitrogen into Pleasant Bay. Proposed solutions for Brewster from the town's environmental engineering firm, Horsley-Witten Group, include reduction of fertilizer use at Captains Golf Course, a nitrogen-removing alternative septic system at the course, and possibly neighborhood wastewater collection and treatment in parts of southeast Brewster.

MassDEP has recognized that traditional Title 5 septic systems do not remove nitrogen and phosphorus. They are in the process of revising Title 5 regulations for "nitrogen sensitive areas" – mainly watersheds draining into saltwater bays and estuaries. Although the focus is currently on estuaries and the bay, new regulations pertaining to freshwater impacts from septic systems will not be far behind since Mass-

DEP has recognized that phosphorus for septic systems is impacting freshwater ponds.

Has Brewster Tried to Address Septic System Impacts in the Past?

According to the Town of Brewster Environmental Consultants, Horsley-Witten, and other sources, phosphorus, unlike nitrogen, generally does not travel as far in groundwater. This is because normally it binds to iron and manganese in subsurface soils and sediments. However, Cape Cod's sandy soils contain less iron than in other parts of the state. So, while phosphorus may travel more slowly, it is still a concern.

Septic systems of more immediate concern are those with leach fields within 300 feet of a pond on the upgradient side (where groundwater travels towards the pond) and also septic systems within 100 feet on the downgradient side (since diffusion in the slow-



Two-three swimming pools per household worth of wastewater is leached into groundwater every year in Brewster

moving aquifers can impact nearby upgradient water). Leach fields farther than 300 feet from ponds might also present risks to ponds where soils are very low in iron (which is the case in some sandy soils), or the systems have been in use for many decades. Recent studies have shown that nitrogen can also be a concern in ponds, as the combination of nitrogen and phosphorus can lead to the growth of cyanobacteria.

In 2009, the Town of Brewster began a detailed study titled *The Integrated Water Resource Management Plan* or IWRMP to identify the Town's water quality issues and to propose strategies to protect and restore water quality. Water testing at that time revealed that the majority of Brewster's 80+ ponds were impaired to some extent. An update to the IWRMP in 2013 reviewed regulations governing water quality management in Brewster and made recommendations for restoring and protecting water quality for drinking

Continued on page 10

Make a Difference. Join our Team!



The BPC All-Volunteer Board

MEMBERSHIP AND VOLUNTEERISM MATTERS

As another year comes to a close there are many reasons for us to be thankful. Our organization continues to grow and expand in the work that we do and the impact we have in the community. It is growth fueled by a shared vision to protect and improve our freshwater resources. Our tools in this work are scientific research, community education and advocacy. Your volunteer involvement is needed more now than ever.

How does volunteering benefit us all?

1. Volunteering creates connections. Social connections are important to all of us. By choosing to get involved with BPC projects that directly benefit our town, you meet new people who have similar concerns and interests. Volunteering allows you to connect to and make your community a better place. A connected community is a happy community!

2. Volunteering boosts your mental wellbeing. There is no denying the feel-good factor that comes from volunteering. Even the smallest of opportunities can bring a smile to your face and a warmth to your heart. Knowing that you are giving back by helping us protect and improve our ponds' health is a gift to yourself and our future.

3. Volunteering focuses help where it is needed most. By volunteering you give us help that is needed most to where it is meant to be. Each BPC Committee targets a specific area essential to achieve our mission goals. Find a cause that you are passionate about and put your strengths to good use as a volunteer.

Find the perfect Volunteer team for you:

- Build membership - membership
- Communicate to our subscribers - communication
- Monitor ponds - citizen science
- Work with children and adults - education
- Keep things running - events

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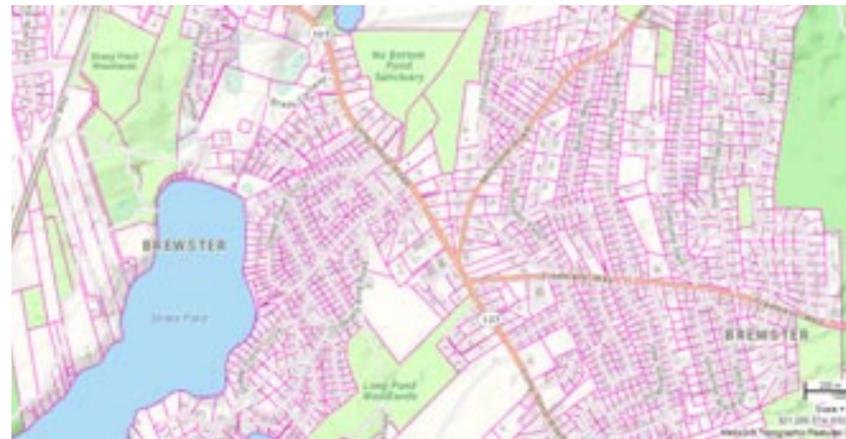
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Does Brewster Have A Plan? *Continued from page 7*

water, freshwater ponds, and coastal estuaries. This report prompted the Board of Health to adopt a regulation prohibiting septic system leach fields within 300 feet of a pond for new construction. However, the regulation does not address the roughly 600 properties that are already within the 300-foot buffer zone.

In 2016, at the town's request, Horsley-Witten drafted a revision to the Board of Health regulation which would have required septic systems with leach fields within 300 feet upgradient or 100 feet downgradient of a pond to either move beyond those distances or install alternative technology that will remove phosphorus. The proposed regulation was discussed at a public Board of Health Hearing in 2016 but was not adopted due to questions about the effectiveness of the phosphorus-reducing technologies at the time, as well as concerns about the implementation cost and how costs would be funded.



Large swaths of Brewster are now categorized as “urbanized” by the U.S. Census Bureau.

Fast forward to 2022

Newer alternative septic system technologies that can remove phosphorus have been developed and are being tested at the Massachusetts Alternative Septic System Test Center (MASSTC) and a few pilot programs in Barnstable County. State and local funding opportunities are now available through the State Revolving Fund and Cape Cod and Islands Water Protection Fund for upgrading septic systems when they are part of a comprehensive water plan.

The Integrated Water Resource Management Plan 2022 Update presented to the Brewster Select Board by Horsley-Witten earlier this year outlined recommendations for two projects: the Pleasant Bay Watershed Project

discussed above and a Fresh Water Ponds Project.

The Fresh Water Ponds Project includes three recommendations:

1. Development of an updated report on pond water quality, since the last report dates back to 2009 and is now out of date.
2. Development of a pilot program for septic upgrades near freshwater ponds.
3. Installation of phosphorus removing septic systems for homes adjacent to ponds, with a town-run management entity to assure effective operation.

In another positive step, the Town of Brewster's Select Board's 2023-24 Strategic Plan includes a goal to “Convene a new Water Resources Task Force and develop an updated plan and timeline for advancing integrated water quality initiatives, to include addressing DEPs proposed changes to Title 5 regulations and continuing collaboration with external stakeholders.” The task

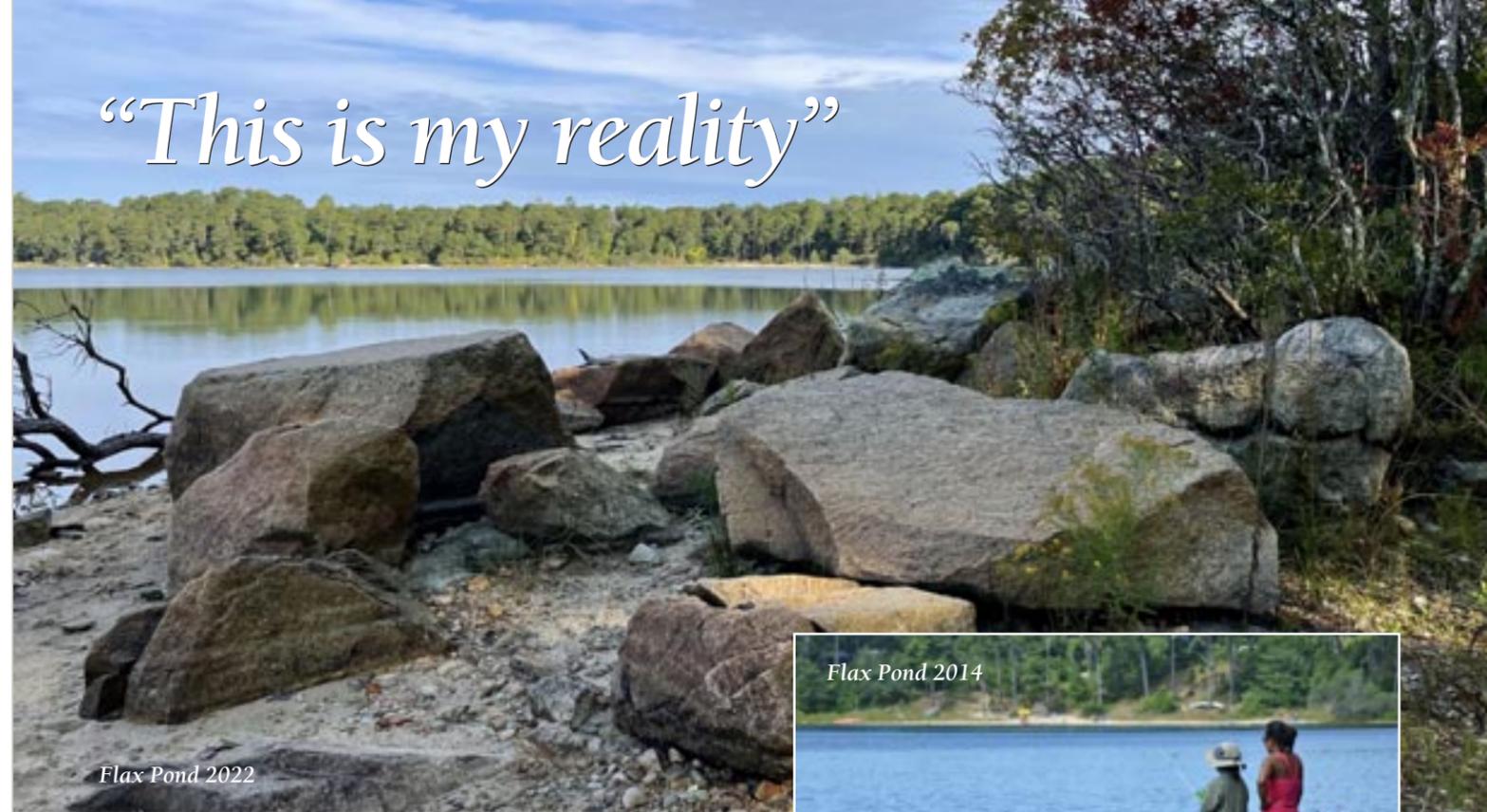
force will be led by the Town Administrator and include the Natural Resources Director, Health Director, Town Planner, Select Board Liaison, representative of the Cape Cod & Islands Water Protection Fund, Board of Health Chair or designee, Natural Resources Chair or designee, and the Brewster Ponds Coalition President or designee.

An important first step for this task force will be to ask the town to fund a comprehensive water resources protection plan for the entire town that specifically addresses the impact of septic systems on the ponds, sea water, and the aquifer. The recommended solutions may include alternative septic systems, neighborhood sewer systems in some areas, or combinations of these. The town must be prepared to fund both the study now, and in the future, the remediation projects which the study recommends (after considering public input). These future projects will be costly even with state and local funding opportunities.

Doing nothing is not an option. Beautiful, healthy ponds and beaches are critical to our individual health, our enjoyment of living here, and the economic vibrancy of our town.

As a community we need to answer three questions:
 Who benefits if the ponds and estuaries are restored?
 Who suffers if the ponds and estuaries are allowed to deteriorate?
 Who should share in the cost?

“This is my reality”



Flax Pond 2022



Flax Pond 2014

by Amaya Giannini

Like many a Cape Codder, I remember coming to Nickerson State Park each summer as a kid. The anticipation of the first campfire, the first s'mores, the first plunge into Flax Pond's crystal clear waters – it was like coming home year after year.

But the severe drought we faced along with the ban on campfires this past summer brought home the changes that are upon us. Sea levels are rising. Pond levels are dwindling. I remember when I was young, I used to climb on top of one rock in Flax Pond to fish. Today, that rock sits on the shore – now twice my height. And we're not talking about decades. I'm still in high school. The planet shouldn't be changing this fast. But it is.

This is my reality – the reality of Generation Climate Change – a generation whose present and whose future are forever interwoven with our climate like no generation before us. With global warming becoming more severe, the threats to our precious ponds and the Cape's most diverse ecosystems are also at risk.

Since starting to volunteer with the BPC last year, I have learned not only about the importance of ponds but also how each of us has to act in our own way to do what we can to preserve the gems that are our ponds. They are much more than just places for recreation; they give us our drinking water and are home to diverse species and the broader ecosystem of the Cape. It all has gotten me thinking about my generation. Instead of being defined by climate change, we can be

defined by our actions. I have grown more hopeful that we can do something about the future of our aquifer and our role in protecting it.



Amaya Giannini

Amaya Giannini is currently a junior in high school and started volunteering with the BPC last year. She is excited to pursue her interests of marine and aquatic sciences in college and hopes to have a career that combines advocacy and climate change science.

Your membership donation supports

Citizen Science Program:

A \$150 donation funds one cyanobacteria test, plus equipment

Members In Action!



Ryan Burch, SUPfari Adventures BPC Business Partner, leads a Herring Run Paddle through Upper and Lower Mill Ponds.



Jim Straub, Aquatic Ecologist from the Lakes & Ponds Program, MA Department of Conservation and Recreation, led a workshop on how to identify invasive plants in pond water and what to do if you find them.



Paul Anderson, Superintendent of Brewster Water Department, kicked off our 2022 Adult Ed programs with an excellent presentation about the health of Brewster's drinking water.



Board member Marty Burke led monthly bike rides exploring the backroads and kettle ponds of Brewster and beyond.



Board member Nancy Ortiz leads a group of walkers along the trails in Nickerson State Park.



Peter Jensen, owner of Terra Firma, explains how to capture winter rainwater to irrigate lawns, gardens, and crops throughout the year without watering. His keyhole gardens, terraces, and swales are also very beautiful.



The BPC was honored to be invited to become a permanent co-sponsor of Brewster Conservation Day, along with the Brewster Conservation Trust, Department of Natural Resources, and The Brewster Historical Society. The BPC won the prize for the best exhibit, The Big Flush, a giant model of a septic system.



BPC volunteers help again with Beautify Brewster, cleaning up roads and paths in Brewster that contribute to pond & groundwater degradation.

2022 ANNUAL MEETING



Keynote speaker Zenas (Zee) Crocker, Executive Director of the Barnstable Clean Water Coalition

The 2022 BPC Annual Meeting was held at the Cape Cod Bible Alliance Church on Saturday, August 13th, and featured guest speaker Zenas (Zee) Crocker, Executive Director of the Barnstable Clean Water Coalition (BCWC). Crocker explained how nutrient loading from septic systems is the #1 source of pollution impairing ponds, estuaries, and the single source aquifer

on Cape Cod. He also spoke about the three-year nitrogen-reducing alternative septic system pilot program that the BCWC has launched and funded involving 12 homes around Shubael Pond in Marston Mills.

The BPC wishes to thank the business partners that co-sponsored the event—Agway of Cape Cod, Brewster Ace Hardware, Crocker Nurseries, and Ocean Edge—as well as our dedicated members and friends who attended the meeting both in person and virtually.



Free kitchen sink strainers were available at every table.

POND PROTECTION PLEDGE

Meghan Taylor, a Sheep Pond resident and BPC member, unites her neighbors to protect their pond!

While walking with her kids in their Sheep Pond neighborhood, they found litter in all forms and began picking it up along the way. Their walks became “litter hikes,” and armed with trash bags, they began to clean up the neighborhood. The hikes became a way for Meghan to introduce the concept of conservation to her children. The idea of using natural resources in a way that’s not wasteful and making sure that human beings get what they need without destroying the



Shea Taylor, Meghan Taylor, and Marty Burke at Sheep Pond

habitats of plants and animals is an important lesson for kids.

Meghan took this lesson and applied it to her family life, with proper septic system maintenance, planting a buffer of shrubbery and clover instead of lawn, choosing native plants, and avoiding home cleaning products that contain phosphorus.

Why not extend the conservation ethic to adults? Her “Pond Protection Pledge” is doing just that. Neighbors pledge to: 1) not use chemical fertilizers in their yard. 2) pump septic tanks every two to three years. 3) eliminate home cleaning and personal hygiene products that contain phosphates. For their personal pledge and financial donation, neighbors receive a lawn sign and bumper sticker to display, and a BPC membership along with educational information about our work protecting Sheep Pond.

To learn how to bring the Pledge Program to your neighborhood, email Kevin Kearns, the BPC chair of the Pond Outreach Committee, at kevin.kearns@brewsterponds.org

Pond Neighborhood Outreach: Will Your Pond Be Next?

A neighborhood pond is both a great resource and a great responsibility. The Brewster Ponds Coalition’s Neighborhood Outreach program partners with local pond associations to help them gain a better understanding of the complex and beautiful ecosystem of their pond and to provide tangible assistance in remediating immediate problems and developing a long-term environmental stewardship program.

BPC begins by building a close working relationship with your neighborhood pond association to explore a variety of services that we can provide:



Business Partner, Peter Jensen of Terra Firma (right) and Dan Stevens, Treasurer of the Indian Waters Association, discuss stormwater remediation project on Upper Mill Pond.

- Assemble technical information on your pond from various expert sources
- Provide advice on immediate remediation problems like stormwater runoff
- Provide matching funds for remediation projects through our grant program
- Use our Citizen Science team to test your pond regularly



Brewster DPW Director, Griffin Ryder (right center), discusses stormwater runoff project with Slough Pond neighbors.

- Provide access to resources and educational events available to BPC members

We are especially excited about our grant program, which will contribute one-third of the cost for pond improvement projects up to \$10,000. For example, if the cost of an approved project is \$6,000, BPC will contribute \$2,000. Most projects are expected to be one-time events, such as the construction of a stormwater management basin. However, for multi-year projects, BPC can commit funding for up to three years.

To date, BPC has worked with several pond associations, including Robinwood and Owl Pond Association, Friends of Elbow Pond, Upper Mill Pond, Cobb’s Pond, and several others.

Will your pond association be next?

BPC board member Kevin Kearns is focusing his efforts on the Pond Neighborhood Outreach Program and is working to strengthen existing collaborations with pond associations and establish new partnerships. If you’d like to learn more about partnering with BPC, contact Kevin Kearns at kevin.kearns@brewsterponds-coalition.org.

We look forward to working with your pond association!

Your membership donation supports

Citizen Science Program:

A \$225 donation funds one Anatoxin-a test, plus equipment



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Mary Mauterstock

Mission Statement

Protecting the health, beauty, and enjoyment
of Brewster's Ponds

Protecting and improving the health of Brewster's ponds
through science, education, and advocacy.

Ripples Contributors

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