



Musconetcong River News

Winter 2020

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Asbury, New Jersey

Go Green in 2020!

By Gary Pohorely, MWA Trustee

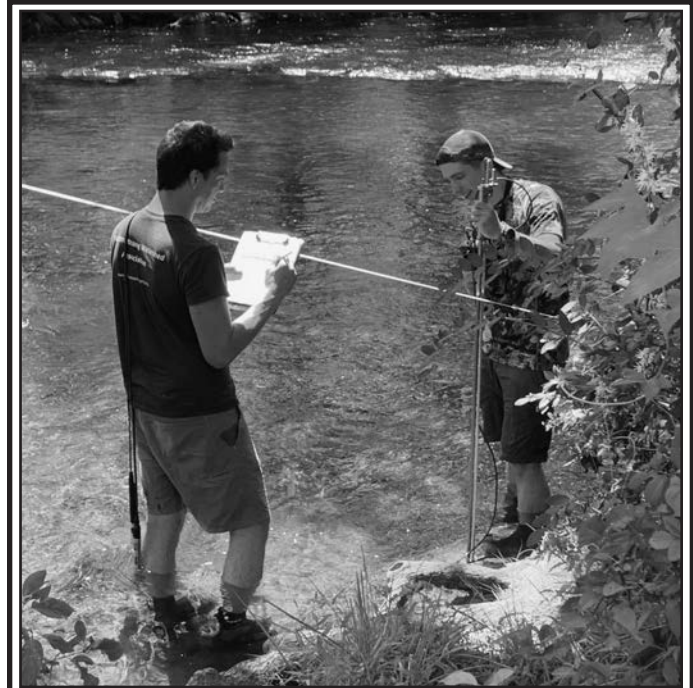
For many, a new year is a great way to let past difficulties go and start new resolutions. Losing weight, eating better, and getting more exercise are usually at the top of many lists. But this year, MWA challenges you to resolve to be a better advocate for the environment. There are many events, both local and national, to motivate you to participate in this “green” movement. The 50th Anniversary of Earth Day will take place on April 22nd this year.

Making greener choices can be as simple as picking up after your dog, or picking up trash in your neighborhood and properly disposing it. If you maintain a yard, try leaving your grass clippings instead of bagging them. This will remove the need for single-use plastics and the clippings will naturally mulch your yard, helping your grass grow fuller and quicker. Reducing your lawn area and replacing some of it with native groundcovers, shrubs, and trees will also help to filter rainwater and prevent it from draining into local bodies of water like Lake Hopatcong or the Musconetcong River.

Often times, we hear the argument that being green costs more money, but it can actually save you money. Reducing and eliminating lawn fertilizers and herbicides is better if you have pets and also benefits your wallet. Reducing water use can also save you on your water bill. Try using at least one low flow toilet and shower head inside your home, and integrate rain barrels outside to water your garden.

Using natural products will not necessarily mean you need to spend a lot of money. Switching to natural fiber clothing like wool and cotton does not create microplastics in decomposition like rayon does.

We all benefit by protecting our environment! Clean air and water should be guaranteed for all. Your help, maybe through just a little more awareness, or a slight change in your lifestyle, can improve your health, save you money, protect your children and pets, and make a positive impact on the environment. ♻️



Michael and Levi, interns from MWA's 2019 program, taking flow information at Valley Road in Hampton.

Spring 2020 River Watcher Training Sessions

Join us and learn about indicators of good water quality. These sessions include “classroom” style trainings as well as field experience in the Musconetcong River.

Saturday, March 28 and Sunday, March 29 – Learn about water chemistry and how to read the sensors in the Musconetcong River.

Saturday, April 4 and Sunday, April 5 – Learn how to perform a habitat assessment and earn field experience as we conduct macroinvertebrate sampling.

For questions or to register, please email Nancy Lawler, Water Quality Program Coordinator, nancy@musconetcong.org. ♻️

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WATERSHED
ASSOCIATION

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VOLUNTEER
Spotlight

**An Interview with
 Charlie Fineran**

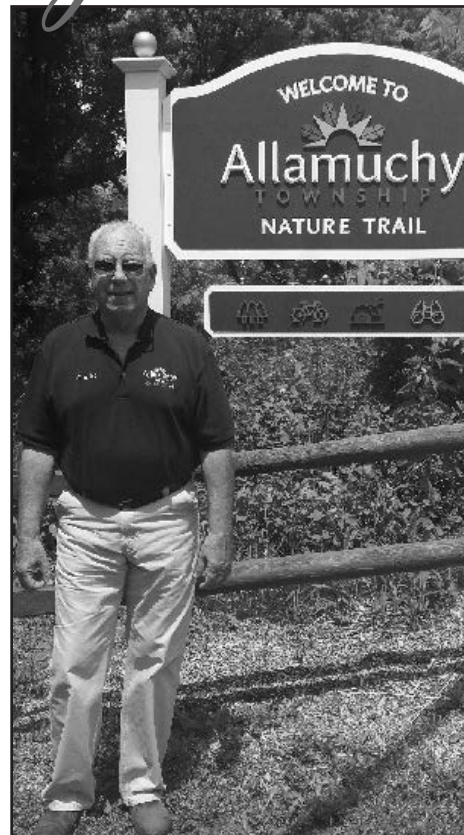
Over the years, Charlie Fineran has become an asset volunteer to the MWA. As the current Chair of the Musconetcong River Management Council, he has helped the organization reach goals in executing the Musconetcong River Management Plan that came from our 2006 Partnership Wild & Scenic designation. His belief that an educated public will advocate for the watershed has led him to help MWA bring the Wild & Scenic Film Festival to Hackettstown, NJ. Charlie is also a long-standing River Watcher helping to monitor water quality in the Musconetcong River, and shows his support by frequenting our events, like our Asbury Mill Dinner and Annual Meeting.

MWA: How did you first learn about the MWA?

Charlie: I first learned about the MWA in 2002 when I was appointed Director of Open Space for Allamuchy Township. Through this position, I became familiar with the MWA in two different ways. First, I was appointed to be on the Warren County Municipal Charitable Conservancy Trust Fund (MCCTF) Committee representing Allamuchy Township. During my time on the Committee, MWA submitted an application for funding to renovate the present day River Resource Center. Second, I became a member of the Musconetcong River Management Council (MRMC) representing Allamuchy Township. The MWA is the lead agency for the Council.

MWA: What were some of your favorite MWA projects or events to work on?

Charlie: One of my favorite projects was watching MWA restore the River Resource Center. It went from a rundown building into a certified Leadership in Energy and Environmental Design (LEED) Platinum building. Another favorite project is watching the Asbury Mill being restored into a beautiful usable historic building. I became so impressed with all the different projects and activities offered by the MWA that I joined as a member. I also appreciate the River Watcher program, MWA-led hikes, and the dam removal projects – just to name a few.



Charlie Fineran

MWA: What advice would you give someone looking to volunteer in their community?

Charlie: Don't be afraid to get involved!! Follow your heart!! Do things you really enjoy doing, or do things that you feel are really important to do. Always keep in mind that you will meet some wonderful people, and your efforts are going to make a difference. You will become a better person for your efforts.

All of the different projects and groups Charlie has been a part of are great examples of how volunteering efforts do not have to fit a standard mold. Anyone with time and skills to offer makes a great volunteer. In the past, MWA has had help with everything from envelope stuffing and data entry to water quality monitoring and trail blazing. We are always looking for new ideas and new volunteers, so if you would like to get involved, email info@musconetcong.org or visit our website to learn more about our projects and programs. ☺

Hike Local by the River Resource Center

By Alan R. Hunt, Ph.D., Director, Policy and Grants

The Musconetcong Education Trail is coming back to life. Originally an Eagle Scout project, volunteers and a New Jersey AmeriCorps Watershed Ambassador have helped to make the trail passable, boasting two short loops. Invasive plant species, like multiflora rose, were removed to show beautiful river views on the Orange Trail and to make the main Blue Trail impassable.

Chuck Jacobi, Eagle Scout, and volunteer, found the old blazes for the Orange trail. With that path re-established, volunteer Bruce Dale and AmeriCorps Watershed Ambassador Ryan Jiorle cleared the Orange Trail with a donated Brush cutter and hand tools. MWA Trustee Erik Henriksen built several bridges to cross over small streams on the Orange Trail along the riverbank. MWA staff blazed a new “high ground” Blue Trail section and new Yellow Trail to make a loop when the Orange Trail is passable during higher river levels. This will allow year-round access to a one-mile loop trail for recreational use and for Camp Musky this summer.

All this progress attracted another Eagle Scout to help improve the Education Trail. Logan Wieceoreck of Troop 92, Lebanon Township, took on further trail improvements as his Eagle Scout project. Logan devised stepping-stone and stair systems to cross the outlet of one of the ponds. The stepping-stones allow water to pass through, year round. The new Yellow Trail path also needed a series of planks to cross a wetland, where skunk cabbages grow over four-feet tall. Funding for the planks came from the Franklin Parker Foundation, and the planks were made of Locust and White Oak milled locally at Crevling Mill in Harmony Township.



Eagle Scout Candidate
Logan Wieceoreck.

Logan is also working with the Grounds Committee to develop riparian zone themed interpretive signs. Funding for the signs is included in a recently awarded grant by the William Penn Foundation meant to increase MWA’s recreational programming and permanent protections for the Musconetcong River.

Going forward, our goal is a loop trail continuing to the Shurts Road fishing access, crossing the green bridge onto Valley Road, and continuing on the river left through the Musconetcong Wildlife Management Area. A newly purchased parcel, using Green Acre funds, provides the missing link from the Wildlife Management Area to River Road. The trail would then continue along the road and across the Asbury-West Portal Road bridge back to the River Resource Center.

There are very few places in the Musconetcong Watershed where a loop



Stepping stones.

trail is possible. The river section between Asbury on Shurts Road and Valley Road is the only river segment with public access on both sides of the river between two bridges. Most trails are along the Valley’s mountainous ridges, or only follow the river on one side.

Once complete, the 3.8-mile loop will better equipped to maintain itself. The trail has virtually no elevation change, which makes it easy for hiking and walking. It also provides great opportunities for wildlife viewing, nature photography, viewing native wildflowers and wetland plants, and fishing access.

Come help out! We are looking for help installing two bridges, blazing the new loop trail, and we need a crew to help maintain the trail from May to July when the plant growth needs to be cut back. For more information on MWA volunteer opportunities, visit our website. 🌿

Why It’s the Musky for Me!

By: Cindy Joerger, Executive Director

When I was a little girl, my father could imagine me a frog. At least I believed he could. He would be watering the gardens around the house on long summer evenings when my four siblings, the neighbor kids and I were chasing each other around our collective backyards. I would see him and beg, “Dad, dad, imagine me a frog! Please, Dad!” And he would. He would concentrate for so long, I sometimes ran back to the gang, but eventually, he would call me over, point to some spot under a tree or bush or stone and sure enough, it would jump, or my eyes would overcome its camouflage, and I would have my frog. Or maybe it was a toad. No matter, I loved frogs and toads equally. I still do!

In my thirties, during the late 80s/early 90s, I read an article that reported that frogs and toads – amphibians in general – were disappearing at an alarming rate. I was horrified, and continued to be so over the next couple of decades as scientists documented what came to be described in terms of ‘mass die-offs’ and ‘extinction,’ and tried to explain what was happening.

Today, we know that the assault on amphibians has multiple fronts. In an article entitled “What we lose when we lose the world’s frogs,” author Brian Resnick cites wildlife biologist and herpetologist Priya

Musky for Me! Continued on page 5



Cindy Joerger, Executive Director,
along the Musconetcong River near the
Asbury Mill.

Looking Back to Plan for the Future: A Decade of Highlights

Since the foundation of the Musconetcong Watershed Association back on April 25, 1993, this organization has always had a mission of protecting and improving the quality of the Musconetcong River and its Watershed, including its natural and cultural resources. Over the years, how we have worked to achieve this mission has not changed much. We still feel that community education is the best way to get the community involved. We are locally focused while still understanding and working with partners on greater watershed protection issues. As we plan for this next decade, we would like to reflect on our past successes – many of which would not have been possible without the support of our members, donors, volunteers, and partners – your support.

2010: “Asbury Carbons and the Riddle family donated what is now our River Resource Center headquarters to the Association in 1999. MWA renovated the former bakery into our River Resource Center, which allowed us to have much needed office and meeting space to grow our organization. Our headquarters was Leadership in Energy and Environmental Design (LEED) platinum certified by June of 2010. Platinum is the highest level of certification given by the United States Green Building Council.

2011: The Finesville and Riegelsville dams were the first barriers preventing free-flowing water from the Musconetcong River to the Delaware. The remnants of the unsafe Riegelsville dam were removed in August, 2011. After the Riegelsville project, the Finesville dam was removed in November, 2011. Following the completion of this project, 2.4 miles of the Musconetcong were restored for fish habitat looking to spawn near the Delaware River. In 2012, the Musconetcong River Restoration Partnership, which MWA is a member of, received the 2012 Coastal America Partnership Award for the Finesville Dam Removal project.

2012: Asbury Carbons and the Riddle family also donated the Asbury Mill to MWA in 1999, and in 2012, MWA undertook a major undertaking to restore the Asbury Mill. MWA received a challenge grant from Asbury Carbons



The Asbury Mill, taken in 2012 before the sheds were removed. These sheds were not historically accurate and took away from the front view of this historic building.

and the Riddle family to match up to \$50,000 which kick started the beginning phases of this restoration project.

2013: MWA was growing as an organization and recognized the importance of educating the local public. In 2013, a new position of Education and Outreach Coordinator was created so that the Executive Director could focus on the organization as a whole as well as prioritize the larger-scale river restoration projects. A grant from the Leavens Foundation allowed MWA to create this position that would focus on growing our school-based programs, Camp Musky, and our hiking and paddling trips.

2014: MWA joined the Delaware River Watershed Initiative (DRWI) funded by the William Penn Foundation. The Foundation launched this program in 2013 to create a targeted approach toward protecting water quality in the Delaware River Watershed. Initially, over 40 organizations from New Jersey, New York, Pennsylvania, and Delaware were brought together to develop plans to address threats to water quality and opportunities for public outreach and education. MWA joined as a member organization of the New Jersey Highlands Cluster, contributing a focus to reduce bacteria in the Musconetcong River to protect drinking water and

support recreational use in the river. MWA is now entering our sixth year as a member of the DRWI and still focusing on protecting and improving water quality in the Musconetcong River. This initiative is supporting current projects such as removing a dam in Hackettstown that will help reduce stormwater flooding in this developed town.

2015: The North Jersey Resource Conservation and Development Council (NJ RC&D) had been sharing offices with the MWA prior to 2015, but by this point, it was determined that each organization would benefit from a formal partnership. While it wasn't signed until the following year, an Affiliation Agreement was drafted. This agreement has since been updated to a Memorandum of Understanding between our organizations, and the benefits grew. MWA maintains a strong partnership with NJ RC&D which has allowed us to collaborate on projects and share personnel.

2016: The Hughesville dam spanned the Musconetcong River from Holland Township, Hunterdon County to Pohatcong Township, Warren County. Its removal was the largest dam removal that the MWA has led to-date. Sally Jewell, Secretary of the Interior, joined MWA and partners for the dam's first

Continued on next page

notching on September 8, 2016. Water quality monitoring in June 2017 showed that American shad had returned to the Musconetcong River to spawn after centuries following this significant dam removal and restoration project.

2017: MWA celebrates our 25th Anniversary with a dinner at Hawk Pointe Golf Club. This gala-style event brought out friends, family, long-time supporters, partners and others interested in water quality. Reflecting on our efforts during our first quarter century, we retold the story of how the Musconetcong came to be designated a Partnership Wild & Scenic River, and how that coveted designation helped us grow as an organization. MWA was featured in the short film "River Connections" funded by the National Park Service. This film brought attention to the importance of Partnership Wild & Scenic Rivers, especially in the eastern region of the country.

2018: Major strides were made on the Asbury Mill restoration project. MWA received significant contributions from the New Jersey Historic Trust, Warren County, and Franklin Township (Warren County) that was announced in a check passing ceremony in June. This funding paved the way to complete the exterior restoration of the mill, including



Secretary of the Interior, Sally Jewell, gave a speech on the importance of free-flowing rivers on the day of the first notching of the Hughesville Dam.

re-stuccoing the walls and installing historic reproduction windows. Recent successes and future plans for the Mill were unveiled at a Mill dinner, the proceeds from which helped to meet the match requirement of the grants we had received.

2019: Last year was a big year for our organization. We joined a statewide taskforce to address threats to water quality in our river, we received permits from Warren and Hunterdon Counties to begin demolition of an old lab building near our headquarters that will pave

way for Musconetcong Island Park, our Summer Camp Musky program had a record high admission rate, and so much more! During this major year of change for the MWA, we welcomed Cindy Joerger as our new Executive Director. Going forward, we plan to build on our recent successes and drive our organization further to educate more of our local public and continue to protect the Musconetcong Watershed.

We hope you will join us as we take the groundwork we have laid and apply it for more highlights to come. 🍌

Musky for Me

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Nanjappa, who calls out six significant threats¹:

1. **Habitat loss:** pavement over the ponds and forests where frogs and other amphibians once lived;
2. **Diseases:** deadly infections like chytrid fungus (*Batrachochytrium dendrobatidis*) and Bsal, once confined to specific areas, now threatening amphibians everywhere thanks to globalization;
3. **Climate change:** amphibians need water and specific soil conditions; climate change-induced droughts and other weather irregularities can disrupt the timing of amphibians' life and reproductive cycles;
4. **Predatory invasive species:** such as fish and birds that happily devour tadpoles;
5. **Commercial trade:** the removal of species from their natural environments to sell as pets or bait;
6. **Pollutants:** air and water pollution, a growing threat from human sewage and industrial activity.

Amphibians are like the canary in a coalmine.

They are the low men on the totem pole, the bottom of the food chain, and highly susceptible to multiple adverse changes in the environment. They are therefore often regarded as indicators of the health of the environment. So it should matter to all of us, not just me and other lovers of frogs and toads, that they are so drastically threatened.

So what's a frog-loving girl to do? Well, this frog-loving girl just got hired at the Musconetcong Watershed Association, and couldn't be happier to be the newest member of a team and a community of supporters that gets the intimate connection between human life and human activity, and the natural systems that support all life and the environment we all call home. I love that residents up and down the Musconetcong River share the connection I feel to this unique and beautiful part of New Jersey where I now live. I love that we're a small but mighty organization.

Our determination to protect and improve the river and the watershed is behind everything we do. It is why we routinely monitor the quality of the water in the river and report

our results to regulatory authorities. It is why we promote sustainable land-use practices that minimize soil degradation and reduce pollution in the river. It is why we organize an annual River Clean-Up and work year-round to identify and remove invasive plant species. It is also behind our efforts to remove obsolete and unsafe dams that impede the natural flow and habitat of the river, making it possible for trout to swim upstream to spawn and river boaters to paddle down. It is the reason we invest in the education of young people through our schools program and our summertime Camp Musky. And last but not least, it is why we encourage people to discover and enjoy this gift of nature; to fish, paddle, hike, bird watch, picnic, camp, and explore the historical, cultural and contemporary treasures of the communities within our watershed.

I may not be able to save all the frogs and toads in the world, but my colleagues tell me that in the spring, I will see frogs and toads on the trail we are building near our River Resource Center in Asbury. *Imagine that!* 🍌

¹ <https://www.vox.com/science-and-health/2016/10/14/13147056/amphibian-extinction-frog-bd>

DIY Your Own Sustainable Garden

By *Christa Reeves, Water Quality Field Specialist*

Although winter weather is still in our forecast, spring is coming, along with MWA's Annual Native Plant Sale. Every year, MWA board and staff enlist the help of Master Gardeners to help patrons purchase the best native plants for their property. These plants not only make beautiful, durable landscapes, they are also beneficial to our local environment. Native plants are also more resilient, drought-tolerant, and better adapted to our climate and soil.

Preserving these natives in their natural habitats help to maintain the balance and biodiversity of our region. They support native insects and birds, and they provide food and habitat for pollinators like butterflies.

Invasive trees, like the Tree of Haven only supports six species of insect, including being the host for the Spotted Lantern fly. Native White Oak trees support 532 species of insect, which in turn will bring more birds to your yard. When birds are breeding they need the protein from insects and each bird species is partial to particular insects. Specific native plants like cardinal-flower and wild bergamot are great for attracting hummingbirds. Planting willow trees, swamp milkweed and Joe Pye weed will attract viceroys, monarchs and tiger swallowtails.

Vegetable gardeners can create a high yielding, organic garden by mixing bee balm and goldenrod in your garden and use a border of mountain mint to attract bees and deter deer browse. Planting seasonal fruits like high-bush cranberry, blueberry, serviceberry, and black chokeberry can help you to build a more sustainable permanent forage in your yard or forest farm. Nuts and seeds can be harvested from shagbark hickory, and American hazelnut and oak acorns can be ground for flour.

Using native plants can provide natural remedies to the harsh cold and flu season we are now in. One of the most effective remedies is elderberry syrup, it has been shown in randomized studies to safely and effectively shorten the duration of both Influenza A and B, both of which are going around this year. In addition to this beautiful woody shrub other medicinals include purple coneflower, yarrow, and goldenrod.

There are many other perspectives and approaches to consider when planting natives, perhaps you want continual

bloom and color, or you have land next to a stream and need buffered vegetation for water quality and erosion control, or you want to protect our natural culture and heritage. It is best to first learn your land, what growing conditions you have on your property, and what plants

fit best those conditions. Light and soil conditions (pH and moisture) are also good indicators of what to plant. The most important thing to keep in mind is to have fun experimenting and developing a closer relationship with nature. See you at the Sale on April 25th! 🍷

Road Salt Strategy: Healthy River, Safe Families

By *Nancy Lawler, Water Quality Program Coordinator*

Living in the small towns and rural parts of our beautiful watershed means that we often have to drive miles daily to work, school, and to meet our daily needs. In winter, we watch the weather reports to time trips to the supermarket... and to buy road salt and bags of sand. Salt, sand, and shovels are important tools to keep our roads and driveways safe in winter, but too much salt can corrode metal in vehicles and harm lawns and gardens. Even one teaspoon in five gallons pollutes drinking water forever. It is that difficult to remove.

A few years ago, MWA collaborated with scientists to find out how salty our local streams were. MWA was surprised that salt levels were 10 times what was expected in the winter, and levels remained high even during the summer when road salt was not being used. Other scientists had similar results – even the Delaware River has become much saltier. Environmental and conservation organizations worry that road salt might be harming fish and other aquatic life across the state.

This year, the New Jersey Department of Environmental Protection (NJDEP) started a project through the AmeriCorps New Jersey Watershed Ambassador program to better understand stream saltiness. Watershed Ambassadors will measure specific conductance – the ability of water to conduct electricity – as an indicator of saltiness. The higher the salt levels, the higher conductivity will read. MWA will help this program by providing continuous



Photo credit: Muddy Branch Alliance: <https://muddybranch.org/>

conductivity data from its sensors in Netcong, Byram Township, Franklin Township and Bloomsbury. This data will help NJDEP create policy on road salt use.

Help New Jersey cut down on road salt overuse. Following these simple tips to help keep your family – and river – safe and healthy!

DEICER ADVICE. All de-icing alternatives still contain salt. Brine, beet juice, and cheese whey can help salt stick to roads better and can be safer for animal paws and plants. But, these salts still kill river critters when they get into waterways.

SHOVEL EARLY AND OFTEN. Snow and slush are easier to remove before the temperature drops and turns to ice. The less ice you have, the less deicer you need.

SPRINKLE. Sprinkle deicer sparingly. A coffee mug full of salt is all that is needed on a 20-foot-long driveway.

SWITCH. Salt works best if the temperature is above 15° F. Switch to sand for more traction when the temperature drops below 15° F.

SWEEP. When the pavement dries, sweep it up before it washes into streams. Reuse the salt and sand you sweep up.

SAVE THESE DATES!

Tuesday, February 18 - River Talk: What is Your Water Story? 7 pm. River Resource Center, 10 Maple Avenue, Asbury, NJ 08802. As part of building a statewide water story archive, the New Jersey Council of Humanities is asking residents to reflect upon and share their perspectives and memories about water. MWA is hosting them at our River Resource Center to capture stories about the different ways water matters to us. What New Jersey water source or waterway is most meaningful to you? How do you want to preserve such a resource for the future? Why? We want to know! Visit www.musconetcong.org to register for free!

Thursday, March 19 - Annual Meeting. 6 pm – 9 pm. Hawk Pointe Golf Club, 4 Clubhouse Drive, Washington, NJ 07882. The new decade is off to an exciting start for our organization, and we have a lot to share! Please join us for light refreshments as we announce all of the projects, programs, and changes to come. Register for free by visiting www.musconetcong.org or by calling (908) 537-7060.

Saturday, March 21 - Northwest New Jersey Rivers Conference. Centenary University, Lackland Center, 400 Jefferson St, Hackettstown, NJ 07840. Keynote speaker, Dr. David Robinson, NJ State Climatologist. This year's conference will feature workshops on dam removals in New Jersey, land planning and conservation, ecotourism and economic development, climate change impacts in northern New Jersey, and more. Attendance is free and professional development credits are available. Please register at <https://www.northwestnewjerseyrivers.org/>.

Tuesday, March 24 - The Highlands Rediscovered. 7 pm. River Resource Center, 10 Maple Avenue, Asbury, NJ 08802. The Highlands Rediscovered brings to life the history of New Jersey's Highlands region, illustrating how it became the principle source of drinking water for more than two-thirds of New Jersey's population. It also presents the challenges the region faces today to preserve its important forests from the pressure of unsustainable development and climate change. View this short film for free by registering here: <https://tinyurl.com/Highlands-Film>.

Saturday, April 18 - 28th Annual River Cleanup. Meet at 9 am. Dirty hands make a clean river! Join us for some spring-cleaning in the Musconetcong watershed. You and your group can register at one of the various cleanup sites along the River from Lake Hopatcong down to the Delaware River. Earn volunteer hours, or spend the day with family and friends. Afterward, join us at the River Resource Center for a post-Cleanup barbeque (10 Maple Avenue, Asbury, NJ 08802). Visit www.musconetcong.org/river-cleanups for a complete list of cleanup sites and to register.

Saturday, April 25 - Native Plant Sale. 9 am – 2 pm. River Resource Center, 10 Maple Avenue, Asbury, NJ 08802. Get a head start on your spring gardening! MWA experts and Master Gardeners will be on hand to help you choose the right trees, shrubs, and flowers for your yard. Visit www.musconetcong.org/native-gardening for more information.

Tuesday, April 28 - All Star Pollinators: Native Bees! Lineage, Types, Behavior and How We Can Help Them. 7 pm. River Resource Center, 10 Maple Avenue, Asbury, NJ 08802. Join Master Gardener Jean Miller, an apiarist and appreciator of native bees as she discusses the broad array of bees living in New Jersey. Her colorful PowerPoint presentation shows you how you can distinguish between a native bee and other flying insects. It also gives you the tools to identify the approximate 400 species we have in the state. She concludes with suggestions on how you can help our native bee population, as well as other pollinators, thrive. Register for free here: <https://tinyurl.com/All-Star-Pollinators>.

Sunday, May 3 - Run for the River. Registration opens at 8:30 am. Asbury Fire Company, 410 Old Main Street, Asbury, NJ 08802. Run or walk a scenic 4-mile loop in Asbury (Warren County), NJ. Participants pass streams, pastures, and historic buildings on this mostly flat course. Prizes are awarded to the top runners in 12 age categories as well as Best Overall. This is a family-friendly event that also offers a free raffle to all participants and free tethered balloon rides, courtesy of Unity Bank. For more information, or to register, please visit www.musconetcong.org/run-for-the-river.

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Meetup
Musconetcong
River Area
Outdoor Activities

For more information or to register for any of these events, please email info@musconetcong.org or call (908) 537-7060, unless otherwise noted. MWA River Resource Center (RRC) is located at 10 Maple Avenue, Asbury, NJ.



The Musconetcong Watershed Association

The Musconetcong River Valley is rich in scenery, history, natural resources, and recreational opportunities. The river rises up in Lake Hopatcong - New Jersey's largest spring-fed lake - and is shadowed by 1,000-foot Highland ridges and slices through a deep, limestone river valley, flowing swiftly to the Delaware River. Along the way the "Musky" passes by state and county parks, bustling towns, vital industries, historic villages, and some of the most productive farmland in the state.

The Musconetcong Watershed Association (MWA) is a non-profit organization formed in 1992 to protect and enhance the Musconetcong River and its related resources through advocacy and environmental education programs, scientific research and river restoration projects. The MWA scope spans the 158 square-mile Musconetcong River Watershed, and includes portions of four counties, and all or portions of 26 municipalities. The Musconetcong River became part of the National Wild and Scenic River System in 2006.

MWA members are part of a network of individuals, families and organizations who care about the Musconetcong River and its watershed. They are kept informed about issues concerning the river and its related resources by receiving quarterly issues of the Musconetcong River News.

MWA Membership Application

Please enroll me as a member of the Musconetcong Watershed Association in which I will receive membership benefits and publications. I have enclosed a check payable to MWA for the membership category listed below:

- | | |
|---|--|
| <input type="checkbox"/> \$20 Student | <input type="checkbox"/> \$100 Sustainer |
| <input type="checkbox"/> \$30 Family | <input type="checkbox"/> \$250 Steward |
| <input type="checkbox"/> \$50 Supporter | <input type="checkbox"/> \$500 Champion |
| <input type="checkbox"/> \$1,000+ Life Member | |

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

E-mail: _____

Mail to:

Musconetcong Watershed Association
PO Box 113, Asbury, NJ 08802

- ◆ **What's Inside:**
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