



Massachusetts Department of Fish and Game

Division of Ecological Restoration

Invested in Nature and Community

Ebb&Flow

George N. Peterson Jr., Commissioner
Tim Purinton, Director

May 2016

<http://www.mass.gov/der>

Greetings, restoration friends and colleagues:

Spring has finally arrived, perfect timing for you to take advantage of the Events section of our newsletter and thank you for sharing your wetland and river outings ensuring that we all get a healthy dose of the outdoors.

Two project updates stand-out in this edition of *Ebb&Flow*, in large part because of their scale, underscoring that DER and partners are willing to take on exceedingly complex and ambitious projects. First, the Muddy Creek restoration is near complete after years of planning. A new \$6.5 million, 94-foot wide bridge allows Muddy Creek to be reborn, restoring over 55-acres of degraded salt marsh. In Plymouth, the Tidmarsh restoration effort is in full swing, the project is our largest freshwater restoration project to date, at over 250 acres of restored wetland and 3.5 miles of reconstructed stream.

Finally, we say goodbye to Laila Parker who has taken a job with the City of Boulder, Colorado. Best of luck to Laila who worked passionately and professionally to restore stream flow in our stressed basins; her new endeavors will most assuredly help to restore the watersheds of the Wild West.

See you on the water.

Tim Purinton, Director

In this issue:

[Feature Article](#)

[Project Updates](#)

[Restoration Resources](#)

[Events](#)

The Massachusetts Division of Ecological Restoration is Hiring!

Position: Watershed Ecologist (Environmental Analyst IV)

Date of posting: 5/6/2016

Closing: The position will remain open until filled. However, first consideration will be given to those candidates that apply within the first 14 days.

The Watershed Ecologist provides overall leadership and administration of the Division of Ecological Restoration's (DER) Flow Restoration Program and manages staff and fiscal resources to achieve Flow Restoration Program goals. The position directs and oversees the priorities, strategic planning, resource allocation, scientific integrity, and overall operations of the Flow Restoration Program and coordinates stream flow restoration activities within the Division. The position supervises staff scientists as well as interns, ensuring that their work is scientifically sound and supports DER strategic priorities. This position also serves as an advisor to state agency workgroups, commissions, and initiatives to inform science, policies, and regulations that impact in-stream flow and aquatic ecosystem protection and restoration. Interested candidates can learn more about DER and view the full job announcement here: <http://www.mass.gov/der>.

To apply online, please visit the MassCareers website at <https://massanf.taleo.net/careersection/ex/jobdetail.ftl?job=1600025T>.

Feature Article:

A Call for Innovation in Urban River Restoration

By Tim Purinton, Director



Interest in discovering and restoring urban ecology is exploding. A livable city is both vibrant green and vivid blue. Environmental organizations are tripping over themselves to develop urban initiatives and establish a stronghold in formally forgotten places to meet the interests of energized urban dwellers.

One of the best places to concentrate nature programming and improve ecological integrity in the urban biosphere is in and along rivers. Urban river revitalization is not new. Often cited as urban river restoration exemplars, San Antonio, Texas and Providence, Rhode Island have shown that if you uncover your river and turn towards it, great

things can happen along the water.

However, in both examples ecological values played a secondary role to community interests. What happens in the water matters too. Rivers are undisputed aesthetic amenities, but if seen as only shimmering window dressing, and not urban wilds with essential functions and values, simply turning towards them is not enough. Presently there is no place (that we are aware of) in North America where engineers, academics, landscape architects and restoration planners can test, monitor and evaluate urban river restoration techniques. A proving ground does not exist where researchers and practitioners can experiment with urban river restoration techniques and see how interventions can revive ecological integrity as well as revitalize the

surrounding neighborhoods. There is no innovation space where advocates from cities struggling to revive their waterfronts can learn, understand and implement in real time.

In Western Massachusetts, situated snugly in the Hoosic River Valley, is the small mill city of North Adams. At the turn of the last century North Adams was home to 24,000, today it is the smallest city in the state with only 14,000 residents. The story of North Adams' decline has been replayed a thousand times in North America; manufacturing all but disappeared in the 1980s, and as mills were shuttered, workers left and immigration petered out. North Adams has an adult poverty rate of 17% and 25% of children live at or below the poverty line.

Despite its diminutive size, North Adams has big city river issues. The U.S. Army Corps of Engineers, after epic floods in the 1930s and 1940s, erected an almost three-mile long, three-sided concrete box and conveniently placed the river inside the functional equivalent of a sarcophagus. Ninety degree vertical banks, 20-feet deep, are grimly adorned with chain link. Trapped inside, the Hoosic River boils in the sun and supports little to no aquatic life. Riparian vegetation cannot take root and habitat-rich woody debris is unceremoniously swept away.

While floods are contained, the Hoosic River in North Adams is inaccessible, immobile, and lifeless. Healthy rivers need to access their floodplains, swaths of streamside vegetation are essential to filter pollutants, and habitat complexity (pools, riffles and runs) is a necessary to support fish and wildlife.

Grassroots organizations, led by the [Hoosic River Revival](#), are rallying around the revitalization of the river and plans to transform the riverway are underway. As part of the planning process, the Massachusetts Division of Ecological Restoration commissioned HR&A Advisors, economic development consultants, to look at the need for an urban river innovation center, and whether such an innovation space could be developed in tandem with the on-the-ground improvements in North Adams. Finally, HR&A examined what it would take to establish a full-fledged urban river laboratory.

In a series of interviews with urban river experts across the country, HR&A staff found that there is a distinct need for such a center and that restoration professionals and advocates could greatly benefit from one. Although there are sterling examples of urban river restoration, there is no clearinghouse and/or experimental space to test the viability and effectiveness of restoration/ revitalization techniques.

Examples of these techniques include: storm water best management practices, habitat structures, flood-friendly parks, flexible natural buffers, bank treatments, floodplain connections, and erosion controls. In addition, the socio-economic benefits of restored urban rivers could be measured and analyzed. North Adams could support a new innovation center if the restoration community is galvanized around the concept; or perhaps it could be built in your city.

While North Adams will eventually serve as a model urban river restoration and revitalization, without a dynamic feedback loop, lessons learned cannot be told and the progress of urban river restoration will be limited.

(Originally published in Revitalization News, <http://revitalizationnews.com/>)

[> Return to top of document](#)

A Reach of Parker River Runs Dry

By Laila Parker, Flow Restoration Program Manager

Last September, I got a message that a reach of the Parker River was running dry. This section of the river is near the Division of Fisheries and Wildlife's Upper Parker River Wildlife Management Area; it's also near Georgetown's public water supply wells. George Comiskey, of the Parker River Clean Water Association, had visited this reach in the hopes of releasing turtle hatchlings. Without water, of course, this didn't look like good habitat for them. George continued to visit this reach over the fall and reported similar conditions. I joined him in early November and was struck by the beautiful Arrow Arum seeds scattered about – these aquatic plants were high and dry. Over the course of the next month, streamflow eventually returned to this reach of the Parker ([video link](#) shows Nov 6 – Dec 3). But unnaturally low flows and dry conditions on the Parker is a well-documented and chronic problem, and the same conditions may return next summer or fall.



Arrow Arum seeds

DER's Flow Restoration program fits into this mix by offering site-specific technical assistance on practical, non-regulatory solutions for bringing water back into the streams that need it most. For example, in Scituate, we have supported partners in providing small releases from their water supply reservoirs to allow adequate stream flow to welcome herring back into First Herring Brook. We are also supporting additional tools and approaches to dig a little deeper in places where large water savings have already been realized but rivers continue to feel flow stress. To that end, in the Ipswich, we're working with Wenham and Topsfield water departments and residents to get a fuller understanding of people's outdoor water use behaviors and find additional water savings. In the North and South Rivers, we are exploring support for audits of our largest commercial and institutional water users to find savings that continue to provide bountiful water for the community while also protecting streams, securing fiscal bottom lines, and reducing carbon emissions.



Dry reach in the Parkers River

[> Return to top of document](#)

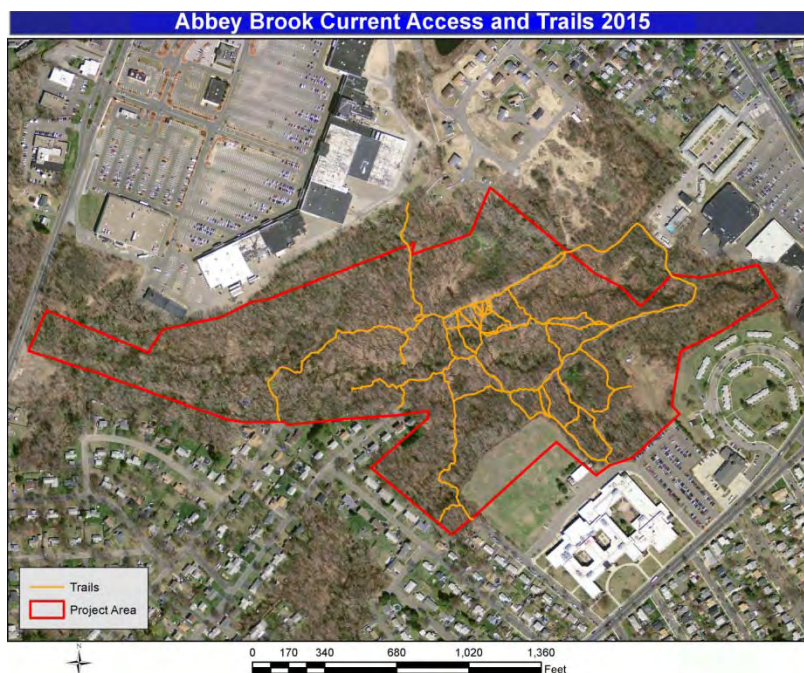
Division of Ecological Restoration Project Updates

Request for Responses for new Priority Projects (Statewide)

In anticipation of a Request for Responses for new Priority Projects, DER released a pre-RFR about the program inviting potential applicants to contact us to discuss potential applications. The Priority Projects process allows DER to target our resources to projects that demonstrate high levels of ecological benefit, community support, economic stimulus, and overall feasibility. Applications may be for restoration projects or those that revitalize community connections to river and wetlands in urban locations. Eligible applicants include landowners, non-profit organizations, regional planning organizations, municipalities, and state and federal agencies. If you have a project that you might consider applying for Priority Project status for, see the pre-RFR [here](#). The pre-RFR period closes on May 23. We expect to issue the full RFR in late May. Stay tuned!

Sustainable Springfield- recognizing the potential of Abbey Brook (Springfield)

Sustainable Springfield is an energetic new partnership in Springfield spearhead by the US Fish & Wildlife Service and over a dozen other local, city, regional and state organizations. The partnership blossomed around an effort to apply for 5-Star Urban Waters funding to focus on a restoration and education effort for Abbey Brook and its surrounding conservation area. The application was funded and a modest amount of money has generated an impressive amount of outreach, education and restoration activity.



Map of current access and trails at Abbey Brook in Springfield.

Abbey Brook is a small tributary of the Chicopee River. The brook is nestled in a steep ravine surrounded by dense residential, commercial and retail development in the western part of Springfield. Abbey Brook is one of those remarkable anomalies – a thriving green pocket hidden away in a bustling city. Not that the brook is without its challenges. The steepness of the terrain has protected the brook from development but it also receives most of the stormwater discharges from the surrounding ultra urban landscape. These stormwater discharges coupled with the steepness of the river corridor has created massive erosional gullies and a complex topography.

The next year will be a busy one for Abbey Brook and the Sustainable Springfield partnership. The Educational Committee is already working with local students and teachers. Students will be learning more about Abbey Brook, river ecology and restoration during field trips, classroom presentations and a watershed summit later this spring. The Outreach Committee is hard at work on surveying local residents about their perceptions of Abbey Brook and its surrounding conservation area and what they would like to see in the future. It is hoped a pleasant and landscape-sensitive trail network can be established to encourage more passive recreation on the conservation lands.

The Restoration Committee has also been busy. Recently DER contracted with a consulting firm to complete an assessment of restoration potential. The committee is working on acquiring necessary equipment to initiate water quality monitoring in the stream. Invasive plant mapping and removal will be a big effort starting in the summer. The Committee hopes to use student assistants for much of this work in concert with the Education Committee.

Things are moving forward quickly thanks to the strong partnership formed around Abbey Brook and in particular financial support from Clean Water Action. Look for more updates on the accomplishments of Sustainable Springfield in the near future as this group is on a tear.

Muddy Creek Restoration and Bridge Completion (Chatham and Harwich)



DER Staff Tim Purinton and Hunt Durey. With the new bridge in place, a sign warning of dangerous culvert is no longer needed.

Construction began in December to restore Muddy Creek, a 55-acre tidal wetland that borders Harwich and Chatham. Two undersized culverts located under Massachusetts Route 28 restrict tidal flow from Pleasant Bay, a tidal estuary, into Muddy Creek. DER, Harwich, Chatham, and other partners worked together to replace the antiquated culverts with a 94-foot, multi-million dollar bridge, thus restoring full tidal flow to Muddy Creek. We were excited to celebrate the substantial completion of the restoration project on May 5th in Chatham. Special thanks to Assistant Secretary of Energy and Environmental Affairs, Dan Sieger and Commissioner George Peterson for speaking at the event. Final touches are still underway but the project should be complete by end of this month.

Long Term Culvert Replacement Training Project Kicks Off (Statewide)

DER's Stream Continuity Program is working with Comprehensive Environmental Inc. to conduct the first



Ashfield DPW Director, Tom Poissant looks at the undersized, perched culvert slated for replacement.

phase of a pilot Long Term Culvert Replacement Training Project. The Project will be broken up into 3 phases for training purposes: 1) River/Culvert Assessment; 2) Culvert Design and Permitting; and 3) Construction. The first phase of the Project will be conducted on two culverts this spring, one in Ashfield and one in Spencer, MA.

The intent of the Long Term Culvert Replacement Training Project is to help municipalities understand how to install better designed storm-ready culverts that meet the state's Stream Crossing Standards. At the end of each phase DER will hold free training sessions targeted towards Public Works Departments.

The training will consist of both classroom and field portions. The first set of training opportunities is scheduled for mid/late June. Additionally, documents created from the culvert replacements will be available for towns to use as examples and templates for work in their communities. Highway and Public Works Departments from across Massachusetts are encouraged to attend.

Please feel free to reach out to Tim Chorey (617) 626-1541 or timothy.chorey@state.ma.us for more information about the Project or any culvert questions.

Tidmarsh Farms Restoration Project (Plymouth)

Ebb&Flow readers have been primed for this moment, with several years of background material provided on the largest freshwater restoration project to date in Massachusetts. Since September 2015, our restoration contractor (SumCo Eco-Contracting) has been removing dams, rebuilding stream channels, plugging agricultural ditches, roughening the flat farm ground surface, and adding thousands of pieces of large wood to the landscape. In the northern swamp, the stream was diverted back to the original channel. At this time, we are about 60% complete with the restoration project. The on-site greenhouse is home to over 10,000 plants waiting to be installed. We've been busy giving tours and showing off the site in this rare, post-restoration state (think bare garden soils before the plants sprout!), including the Society for Wetland Scientists New England Chapter meeting on April 15th. Thanks to our project engineer Inter-Fluve, Inc., as well as project partners USDA NRCS, Town of Plymouth, US Fish and Wildlife Service, NOAA, Mass Audubon, and gracious landowners for intense and productive collaboration during this construction phase. Pictures say a thousand words so here are a bunch showing the progress. So far so good!



*BEFORE: Typical cranberry farm surface in 2013.
Keep your eye on the tree line...*

AFTER: Same location, with a new stream channel!



Sand removed to expose the underlying peat and native wetland surface.



Restored wetland surfaces. This area used to be dry!



Removal of Beaver Pond Dam



*This is where the dam used to be!
Old wetland surfaces are now reconnected*

Timber (Allen) Dam Removal (Pelham)

The first dam removal of the year occurred in the Pelham Hills in early January. *Ebb&Flow* readers have learned before about this old structure, perhaps from the mid-1700s, that was exposed following the removal of the Bartlett Rod Shop Company Dam in 2012. With permits secured and fundraising complete, the dam removal and archeological monitoring took only two days to implement. Dam removal was completed by SumCo Eco-Contracting, with engineering services provided by Stantec Consulting Services (with archeological monitoring by the Public Archeological Lab, Inc.). Thank you to Clean Water Action and the Holyoke Coal Tar NRD trustees for financial support. Pictures again say it all...



Above - at the start of the dam removal. Below dam almost completely removed.





The ancient (c. 1750) dam was previously buried in the cobble bottom stream bed. After the Bartlett Rod Shop Company Dam was removed in 2012, natural physical processes were restored in the dynamic stream, and the Timber Dam was exhumed following a large storm event.



[> Return to top of document](#)

Events

While DER is not doing our full Wetlands and River Month Calendar this year, we are excited to announce some great upcoming events to celebrate our rivers and wetlands in May and June.

Hiking and Paddling, Gardner

Sunday, May 15

On Sunday, May 15th at 10:00 AM there will be a paddling event on the Otter River Conservation Area ([click here for details](#)). That same afternoon, Sunday, May 15th, there will be a hike at the Cummings Conservation Area from 1:00 – 3:00 PM ([click for details](#)). Both events are sponsored by Freedom's Way National Heritage Area as part of their, Connecting Communities – Along our Trails, and Hidden Treasures programs. Partners include Gardner Conservation Commission, Millers River Watershed Council, Peak Expeditions, and North County Land Trust. Events are free and open to the public.

Evening Paddle for Rails, Topsfield

Wednesday, May 18, 6:00-8:00 p.m.

On this special evening canoe trip, we will venture into a freshwater marsh known as Bunker Meadows on the Ipswich River Wildlife Sanctuary, for close-up views of rails, pied-billed grebes, wood ducks, and other marsh birds. Basic canoeing instruction will be provided along with all equipment. Fee: \$19 (\$16/Mass Audubon members). Adult Program. Advance registration is required call 978-887-9264 or register online at massaudubon.org/ipswich-river.

Flower Moon Paddle on the Ipswich River, Topsfield

Thursday, May 19, 6:00-9:30 p.m.

Join Ipswich River Wildlife Sanctuary Director Carol Decker and Teacher-Naturalist Scott Santino for a magical evening as we canoe the Ipswich River under the light of the full Flower Moon. We'll watch for ducks, herons, and other birds flying by, and river mammals such as muskrats and beavers swimming or feeding at the river's edge. We'll stop on one of the river's islands to enjoy a campfire and snacks. Participants should have some canoeing experience. All equipment and refreshments will be provided. Fee: \$36 (\$30/Mass Audubon members). Adult program. Advance registration is required call 978-887-9264 or register online at massaudubon.org/ipswich-river.

World Fish Migration Day – Holyoke Fishway Tour, Holyoke

Saturday, May 21, 11am

Celebrate World Fish Migration Day by joining CRWC at the Holyoke Fish Lift (Robert E Barrett Fishway) in Holyoke, MA for a tour. The guide will teach us about fish that migrate in the CT River and use the fish lift to get past the Holyoke Dam, as well as work that has been done at the dam recently to benefit the endangered shortnose sturgeon. For more information, to RSVP or get directions email eryba@ctriver.org or call 413-772-2020. Robert E. Barrett Fishway, 1 Bridge St, Holyoke, MA

Little River Restoration Completion Celebration, Gloucester

Monday, May 23rd, 10:00-11:00 a.m.

Join the City of Gloucester and partners to celebrate the completion of the Little River Restoration in West Gloucester. Over 1,000 feet of stream has been naturalized, daylighted and improved to restore ecological functions and values. Riparian fresh and salt water wetlands have also been restored and created to reduce coastal storm damage. This is a DER Priority Project. For event details contact Tim Purinton, tim.purinton@state.ma.us. The celebratory event will take place on site at 372 Essex Avenue, Gloucester.

A Love-ly Sunset Kayak, Barton Cove, Gill**Friday, June 3; 6:00 – 9:00 p.m.**

The group will spend a couple of hours paddling and explore the reproductive rituals of Cove dwellers, take a picnic supper break, and return on their own to the camping and paddlesports office after investigating the Cove's interesting nooks and crannies. Couples and singles welcome. Bring a picnic supper, water, and a bright flashlight to stick in the bow of the boat. Single and tandem kayaks available. For ages 16 and older
Fee: FREE with own Kayak, \$25/boat with kayak rental. Register by calling 800-859-2960

Free Fish Printing for All Ages, Turner Falls**Saturday, June 4; noon – 2:00 p.m.**

This fun activity combines science and art through the traditional Japanese practice of Gyotaku, or fish printing. Discover the intricate beauty and important function of fish fins and scales. Learn about resident fish as well as migratory fish that return to the Connecticut River to lay their eggs. Drop in anytime between noon and 2:00 p.m. at the Turners Falls Fishway to create your work of art on paper using scientifically accurate replicas of Connecticut River fish. This event is part of the 10th Annual Family Fish Day at the Great Falls Discovery Center. If raining, the event will take place at the Great Falls Discovery Center. <http://www.gdfsuezna.com/fishway/> For ages 5 and older . Location: Turners Falls Fishway, 1st Street, Turners Falls

Birds and Brunch Along the Ipswich River, Topsfield**Saturday, June 4, 10:00 a.m. – 1:00 p.m.**

Join us for a morning canoe trip along the Ipswich River to look and listen for wetland breeding birds including vireos, flycatchers, Baltimore orioles, a variety of warblers, and other songbirds. We'll paddle upstream to Perkins Island, where we'll enjoy a delicious quiche and biscuit brunch with coffee and juice. Basic canoeing instruction, along with all equipment and refreshments will be provided. Fee: \$30 (\$25/Mass Audubon members). Adult Program. Advance registration is required call 978-887-9264 or register online at massaudubon.org/ipswich-river.

Fish Ladder Open House, West Springfield**Sunday, June 5th, 10am- 3pm**

The Fish Ladder Open House will be held on June 5th.

Westfield River Watershed Association

A once-a-year opportunity to visit the fish ladder at the old DSI Dam in West Springfield is scheduled for Sunday, June 5 from 10 a.m. to 3 p.m. Parking is near the old Southworth Paper Company building at 150 Front St. in West Springfield. A 10-minute walk brings you to the fish ladder, where WRWA Board members will explain the operation of the ladder, and you'll have a chance to look for passing fish from the small observation window.

Summer Paddlesports Kick-Off, Gill**Sunday, June 5; 10:00 a.m. – 1:00 p.m.**

Join us for our Summer Paddlesports Kick-Off at Barton Cove. This event offers older children and adults new to paddlesports the chance to try kayaking or stand-up paddleboarding (SUP) for free, and to discover the great health and social benefits of these easy-to-learn summer activities. The twenty minute free clinics will introduce participants to basic techniques followed by twenty minutes of free boat use, allowing time to practice new skills and explore scenic Barton Cove on your own. Free introductory kayak clinics begin at 10:00 a.m., 11:00 a.m., and noon. Stand-up paddleboarding clinics are scheduled for 10:30 a.m., 11:30 a.m., and 12:30 p.m. Clinic participants must arrive 30 minutes before their scheduled start time to sign in and pick

up equipment. Be sure to wear water shoes or sneakers that you don't mind getting wet. Location: Barton Cove Canoe and Kayak Rental Office. For ages 8 and older. Register by calling 800-859-2960

Fresh Pond Day, Cambridge

Saturday, June 11, 11am-3pm

Fresh Pond Reservation is truly Cambridge's green gem - an urban wild that protects Fresh Pond, Cambridge's in-city drinking water reservoir. Fresh Pond Day is the Cambridge Water Department's annual tribute to this unique Reservation that is a vital natural resource, an invaluable sanctuary for wildlife, and a beloved recreational escape in the City. Live wildlife presentations, a wildlife and bike parade, live music, face-painting, truck climb-boards, tours, and more will abound, and - it's free and open to all! Family-friendly festivities will take place all around the Water Purification Facility at Fresh Pond Reservation, 250 Fresh Pond Parkway. Bookmark the Facebook page [here](#). For more information, or to get involved, please email fpr@cambridgema.gov or call (617)-349-6489.

Popsicles on Perkins Island, Topsfield

Saturday, June 11, 1:00-3:30 p.m.

For families with children 5 years and older. As the summer starts to heat up, cool down with us on a leisurely canoe paddle to Perkins Island. We'll look for sunbathing turtles and other river creatures on the banks and in the backwaters of the Ipswich River. Once we get to the island, we'll stretch our legs and enjoy some popsicles. Basic canoeing instruction, all equipment, and refreshments will be provided. Fee: \$18 adults, \$16 children (discount for Mass Audubon members). Family Program. Advance registration is required call 978-887-9264 or register online at massaudubon.org/ipswich-river.

Summer Solstice Family Dusk Paddle, Topsfield

Friday, June 17, 6:00-8:30 p.m.

For families with children 6 years and older. Celebrate the beginning of summer and join us for a canoe trip on the Ipswich River. This special paddle ends with s'mores around the fire and a solstice tale. Basic canoeing instruction, all equipment, and refreshments will be provided. Fee: \$18 adults, \$16 children (discount for Mass Audubon members). Family Program. Advance registration is required call 978-887-9264 or register online at massaudubon.org/ipswich-river.

"The Meltdown, 2016," New England Canoe and Kayak Racing Association, Northfield

Sat., June 18; 8:00 a.m. registration, 10:00 a.m. race start

Returning to Northfield for the second time, the New England Canoe and Kayak Racing Association's sanctioned race leaves from our shores on the Connecticut River. "The Meltdown, 2016" will feature different length races and classes. Awards and picnic after the race. Fee: \$20 per person. For more information: <https://www.facebook.com/events/161502410904613/>. Location: Riverview Picnic Area, Northfield, MA

Summer Solstice Eve Paddle, Gill

Sunday, June 19; 6:30 – 8:45 p.m.

During this evening paddle, we'll explore the rich history and natural history of Barton Cove, and relax as we enjoy the moon rising and the sun setting. This program is appropriate for both beginning and experienced paddlers. Tandem kayaks available. Please bring a snack or picnic supper. For ages 16 and older. Fee: FREE with own kayak, \$25/boat with kayak rental. Register by calling 800-859-2960

CRWC Annual River Celebration, Hadley

Saturday, June 25

Join fellow river friends, CRWC members, staff & trustees at this annual event. We will kick off the summer with a fun day celebrating our rivers. For more information visit www.ctriver.org/celebration or call 413-772-2020. Brunelles Marina, 1 Alvord St, South Hadley, MA

[> Return to top of document](#)

Restoration Resources

Trainings - 2016 Massachusetts Road-Stream Crossing Field Trainings

Except as noted*, all trainings are FREE and participants will be expected to complete the on-line protocol training prior to the field training. To attend a training contact Carrie Banks carrie.banks@state.ma.us. For additional details about the Road-Stream Crossing Assessment Protocols and Trainings, please see the [DER's 2016 Road-Stream Crossing Flyer](#) or visit www.streamcontinuity.org.

Scheduled Trainings:

- ❖ Friday, May 27th – Taunton, MA 9am-3pm (wait-list)
- ❖ Saturday, June 11th – Palmer, MA 9 am-3pm
- ❖ Thursday, June 23rd – Amherst, MA 9am-5pm
 - *Includes indoor protocol training in lieu of the on-line training requirement
 - *Sponsored in conjunction with [Fish Passage 2016: International Conference on River Connectivity](#) being held at the University of Massachusetts Amherst, June 20th-22nd, Cost \$30.00 to cover transportation
- ❖ July 11th – Sudbury, MA (Time TBD)
- ❖ August 20th – Groton, MA Area (Time and Location TBD)

Conference - 2016 Atlantic White Cedar Symposium

May 24-26, 2016

Plymouth, Massachusetts. The Symposium's theme, *Imperiled Ecosystems in a Changing Climate* has attracted a wide cross-section of presentation topics and keynote speakers. [CLICK HERE](#) to see the newly updated agenda of speakers, presentation titles, and tour descriptions. The deadline for all forms of registration is Monday, May 16 by 5PM EDST.

[> Return to top of document](#)

Grants

DCR FY17 LAND PARC

The [Division of Conservation Services](#) is seeking grant applications for its FY17 LAND, PARC, and Conservation Partnership Grant Programs to fund land protection and park development projects. DCS will hold two public information sessions: the first will be on May 5 at 11:00 a.m. at the DAR Office in Amherst, MA and the second will be on May 10 at 11:00 am at the DCS Office in Boston, MA. The DCS grants are available to download on the [DCS website](#). LAND and PARC grant applications are due by 3:00 pm on July 13. Conservation Partnership grant applications are due by 3:00 pm on July 18.

MassBays Regional Service Providers

MassBays is seeking proposals for Regional Service Providers (RSPs) to serve each of the five regions in MassBays' planning area. RSPs will support the implementation of Mass Bays' draft Comprehensive

Conservation and Management Plan in cooperation with a Local Governance Committee. One-year grants of up to \$61,000 will be awarded for each region. For more information, to view the RFR, and download required forms, see the COMMBUYS website. ***Proposals are due May 27th.***

Mass DEP Section 319

Mass DEP is seeking proposals under Section 319 of the Federal Clean Water Act for implementation projects that address the prevention, control, and abatement of nonpoint source (NPS) pollution. For more information and to download the RFR, visit the [319 Program website](#). ***Proposals are due June 1st.***

Coastal Resilience Grant Program

CZM is seeking proposals for the Coastal Resilience Grant Program. For Fiscal Year 2017 this program will provide up to \$2 million in grants and technical assistance to coastal communities to advance innovative and transferable local coastal resilience initiatives to increase awareness and understanding of climate impacts, assess vulnerability and risk, conduct adaptation planning, and redesign vulnerable public facilities and infrastructure. For more information and to view the RFR, see the COMMBUYS posting. ***Proposals are due June 6th.***

Coastal Pollutant Remediation (CPR) Grant Program

CZM is seeking proposals under the Coastal Pollutant Remediation (CPR) Grant Program, established in 1996 by the Massachusetts Legislature to help communities identify and improve water quality impaired by NPS. For more information and to download the RFR, see the COMMBUYS posting. ***Proposals are due June 30th.***

> Return to top of document

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The [Mass. Watershed Coalition](#) (MWC)'s ["mwc-list" listserv](#), a great source of time-sensitive and other info on river- and watershed-related funding and job opportunities, upcoming events, recent articles and more.

Does your car have an environmental license plate?

The [Massachusetts Environmental Trust](#) (MET) provides funding to many river, wetland and other water resources protection and restoration projects throughout the Commonwealth. A major source of MET's funding comes from the sale of [environmental license plates](#). Getting an environmental plate is easy and can be done on-line by clicking [here](#), or in person at [your local Registry of Motor Vehicles office](#).

Division of Ecological Restoration Staff

Tim Purinton, *Director*

Hunt Durey, *Deputy Director*

Carrie Banks, *Stream Team and Westfield River Wild and Scenic Committee Coordinator*

Tim Chorey, *Stream Continuity Specialist*

Michelle Craddock, *Flow Restoration Specialist*

Cindy Delpapa, *Riverways Program Manager*

Kristen Ferry, *Aquatic Habitat Restoration Specialist*

Eric Ford, *Restoration Specialist*

Eileen Goldberg, *Assistant Director*

Alex Hackman, *Project Manager*

Kris Houle, *Ecological Restoration Specialist*

Georgeann Keer, *Project Manager*

Beth Lambert, *Aquatic Habitat Restoration Program Manager*

Megan Sampson, *Program Administrator*

Nick Wildman, *Restoration Specialist*

Commonwealth of Massachusetts

Charles D. Baker, Governor

Karyn E. Polito, Lieutenant Governor

Matthew A. Beaton, Secretary, Executive Office of Energy and Environmental Affairs

George N. Peterson, Jr., Commissioner, Department of Fish and Game

Mary-Lee King, Deputy Commissioner, Department of Fish and Game

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