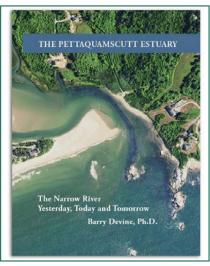
# NARROW RIVER NOTES

Narrow River Preservation Association: Protecting, Preserving and Restoring the Narrow River Watershed Since 1970 / December 2020

#### Narrow River Book Now Available in Standard Edition \$30 for NRPA members, \$40 for non-members

Since its release in October, *The Pet-taquamscutt Estuary: The Narrow River Yesterday, Today and Tomorrow* by Barry Devine has made a huge splash!



Legacy Edition sponsors purchased first-printed edition copies of the book for \$100. These special books are embossed, signed by the author and come with a full-color 11" x 17" map of the watershed (we have a few left!) Many thanks to our 150 Legacy Sponsors.

#### JUST IN TIME FOR THE HOLIDAYS, NRPA is now offering a standard edition of the book! \$40 to the public, \$30 for NRPA members.

Become an NRPA member to get the discount! You can become an NRPA member right in the book order form at narrowriver.org/NRbook.

The full-color, 180 page book contains 155 photographs and 15 full-color maps, articles, documents, and stories about all things Narrow River.

Thanks to author Barry Devine, all proceeds from the book benefit NRPA.

Order yours at narrowriver.org/NRbook.

#### Source to Sea Swim

As dawn was breaking on Monday, September 14, three swimmers and their personal watercraft safety team slipped into Gilbert Stuart Stream and made their way across a serene Upper Pond, over Casey's Sill and into Lower Pond.

By the time Lori Pugh, Keith Ballard and Veronica Berounsky swam under Lacey Bridge around 8:30 am, they were swimming with the tide and well on their way to complete the first ever Source to Sea six mile (10k) transit of Narrow River, raising \$2,000 for NRPA.

Read more and see photos and videos at narrowriver.org/sourcetosea and NRPA's Facebook page.



From left, Keith Ballard, Lori Pugh and Veronica Berounsky make a toast after completing the Source to Sea Swim. In the background is Jerry Prezioso, Veronica's kayak spotter. See their map and more: narrowriver.org/sourcetosea

#### **Narrow River Overturn**



The milky color of the water flowing out of Upper Pond indicates an overturn, a rare but natural phenomenon. Thanks to pilot Stephen Major who took this amazing photo from a Rhode Island Air National Guard C-130J airplane during a training mission.

By Veronica Berounsky, NRPA Vice President

On Saturday, October 10, 2020, Christine Gouveia, a volunteer with NRPA's River Watch Program, was out sampling in Upper Pond of Narrow River at about 10am when she noticed a milky color in the water and an unpleasant smell (like rotten eggs).

On Thursday, October 15, NRPA Vice President Veronica Berounsky was with watershed resident Marlene Dufault in her boat in Lower Pond, and Continued on page 6

## 13th Annual Pettaquamscutt Paddle and 2020 Kayak Raffle Winner

Narrow River Kayaks (NRK) has again gone above and beyond in support of NRPA.

In July, NRK hosted the 13th Annual Pettaquamscutt Paddle. Modified to keep everyone safe according to COVID guidelines, this event was fun for all and raised \$3,000 for NRPA!

Congratulations to Gary Pihlkrantz of Narragansett (pictured with his new kayak) who won the kayak, a paddle, a personal flotation device, and more goodies from Narrow River Kayaks!

Many thanks to Jason Considine, Narrow River Kayaks owner, and all of his great staff.





#### **President's Cove**

Dear friends,

Welcome to the Cove. During this difficult time, NRPA has continued with as normal a schedule as possible. Meetings have been held virtually and the new Strategic Plan developed by Tom Farrell is being followed closely



to ensure that NRPA is on a strong track for the future.

During the pandemic, as you might imagine, NRPA has had to dip into its contingency funds to operate at full bore. One of my jobs is to replenish those funds to ensure that we are financially secure enough to handle whatever may come next.

I have decided to address the unpleasant issue of requesting financial assistance by approaching it in a positive manner. I am asking the residents of the watershed and all who enjoy Narrow River to become a member of NRPA. You can join or renew today at narrowriver.org/membership. Many thanks to the 340 individuals and families who are already NRPA members for 2021!

Secondly, I am asking you to support NRPA's work by contributing to NRPA financially in another way, in addition to your membership.

Allow me to list the current opportunities to support NRPA financially:

- 1. **SPONSORSHIP**: Our sponsors support us by donating an amount that is comfortable for them between \$100 and \$5,000. We recognize our sponsors in our newsletters, our website, social media and on our T shirts!
- 2. **LARGE GIFTS**: Gifts of \$10,000 or more can be used to create an endowment in your name to benefit NRPA. Managed by the RI Foundation, NRPA receives an annual grant based on the interest earned by your endowment.
- 3. **PROGRAM SPONSORSHIP**: We are currently seeking a \$4,000 annual sponsor to support NRPA's College Scholarship Program, a one-time \$200 sponsor to donate copies of the new book to local public and school libraries, an annual \$300 sponsor in support of our Science and Art Fair Awards, and more.
- 4. PURCHASE: "The Pettaquamscutt Estuary: Narrow River Yesterday, Today and Tomorrow" by Barry Devine. All proceeds benefit NRPA.

Please email us at nrpa@narrowriver.org to learn more about these opportunities. Thank you for your care of Narrow River. Your partnership is critical to our work. I wish you good health,

#### Advard Evant

Richard Barker Grant, President, NRPA

# United Way of Rhode Island

NRPA is part of the United Way Workplace Campaign. Our donor option number is 6239

If you plan to give to United Way, please consider designating a portion of your gift to NRPA.



#### MISSION STATEMENT

The Narrow River Preservation Association (NRPA) works to preserve, protect, and restore the natural environment and the quality of life of all communities within the Narrow (Pettaquamscutt Estuary) River and Watershed.

#### NARROW RIVER PRESERVATION ASSOCIATION

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Narrow River Notes Published three times per year by NRPA Editor: Alison Kates

#### **Board of Directors**

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James Dean Vogel

Alison Kates, Program Coordinator Submissions and correspondence to nrpa@narrowriver.org

#### Rhode Island Rivers Council



Rhode Island Rivers Council has designated NRPA as the official water-shed council of Narrow River.

#### NRPA's 50th Annual Meeting & 2020 Friend of the River Award

NRPA's 50th Annual Meeting was the first ever conducted completely virtually via Zoom on October 1. More than thirty people watched live. All are welcome to watch the recorded meeting at narrowriver.org.

Richard Grant, NRPA President, provided a review of the year's activities, and introduced NRPA's new book The Pettaquamscutt Estuary: The Narrow River Yesterday, Today and Tomorrow, by Barry Devine, Ph.D. The book, which includes articles, maps and photos of Narrow River, is available for purchase at narrowriver.org/NRbook.



The 2020 W.E.R. La Farge Friend of the River Award was presented to Alison Kates for her dedication and outstanding service to the Narrow River Preservation Association and to Narrow River and its watershed.

Ken McShane provided a Treasurer's Report, and Annette DeSilva and Alison Kates thanked NRPA's many volunteers.

An Environmental Appreciation Award was given to Jim Murtagh and Terry Shaw of the Menunkatuck Audubon Society in Connecticut for their critical technical assistance in setting up the osprey webcam.

The W.E.R. La Farge Friend of the River Award was presented to Alison Kates in recognition of her "loyal, active, and enthusiastic participation and leadership in many NRPA initiatives and events." Kates, who has been NRPA's Program Coordinator since 2016, was delighted and honored to receive the award. She will retire from the position in December and plans to stay with NRPA as an active volunteer and an Advisory Board Member.

Before the meeting closed, Jason Considine pulled the winning Kayak Raffle ticket (see front page) and Richard Grant thanked all for attending.

#### Volunteer now for NRPA's 2021 River Watch season!

Volunteers are needed for the Narrow River River Watch program next year! Email nrpa@narrowriver.org to sign up.

Our wonderful River Watch Coordinator, Annette DeSilva, will work with you to determine a location that works for you. Some sites require a boat and others are accessible on foot. Each test site has two volunteers, so we work around your schedule. Training and supplies are provided.

This citizen science program is critical to the water quality in Narrow River and you can be a part of our 30th season!



#### **New NRPA Program Coordinator Maria Hoey**

Please join us in welcoming Maria Hoey, NRPA's new Program Coordinator!

Maria says: "The love of our oceans and the waterways that flow into them has been with me all my life. Combine this with my passion for working with nonprofit organizations to help them carry out their mission and you can see why I was so excited to see the job announcement for NRPA's Program Coordinator, and even more elated when offered the job.

The diversity of the position, the mission of the organization, the varied projects and programs, and the opportunity to work with NRPA's dedicated board are all aspects of the job that are extremely appealing. Attractive, too, will be the many ways to establish new and strengthen existing partnerships with community and business leaders.

While I know that Alison's shoes will be tough to fill, I know that my deep concern for our environment, along with my experience and genuine interest in NRPA's work, will ensure the continued success of the organization and its wonderful programs.



Maria Hoey, NRPA's new Program Coordinator, will assume her new role in mid-December.

I am so looking forward to working with such a devoted, passionate, and knowledgeable team of leaders, volunteers, supporters, and the community, and can't wait to get to work on our 2021 calendar, as well as find creative, new ways to fundraise.

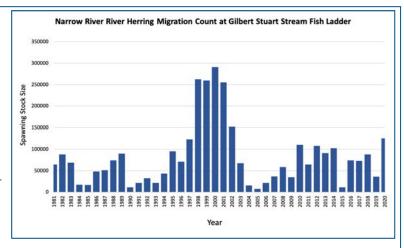
Being part of an organization that is so widely respected means a great deal to me. I will work diligently to make the start of the next 50 years some of the best."

#### 2020 River Herring Migration Up

Pat McGee, Fisheries Biologist with RI Department of Environmental Management (RIDEM) Division of Fish and Wildlife, leads the annual spring fish count at the top of the fish ladder on Gilbert Stuart Stream.

This year's count of 125,196 migrating blueback herring and alewife (which make up the common term 'river herring') is significantly higher than the 2019 count of 35,832.

"I think we had a fairly strong year statewide" says Mc-Gee. "We had some pretty impressive single-counts at a number of sites. We're hopeful that we can continue this upward trend as we continue to make improvements to herring runs throughout the state."



This chart shows the last 39 years of RI Department of Environmental Management (RIDEM) counts of river herring as they migrate up Gilbert Stuart Stream to spawn at Carr Pond. In 2006, a moratorium was placed, which led to a rebound.

Learn more about river herring and their annual migration to Carr Pond and back out to sea at narrowriver.org/river-herring.

### Friends of Canonchet Farm Update

Kathie Kelleher is retiring from the post she has held for five years: President of Friends of Canonchet Farm (FOCF). During her tenure, the organization ramped up the removal of invasive plant species around the lakes and along the nature trail in Canonchet Farm.

In 2017, NRPA presented Kathie with our Friend of the River Award in recognition of her great work.

Kathie will remain on the FOCF Board of Directors as she is still heavily involved with the work and goals of the organization.

FOCF's new President, Tom Hoagland, has been Vice President of FOCF in the past. We are sure he will do a wonderful job!.



Tom Hoaglund, left, and Kathie Kelleher of Friends of Canonchet Farm

#### Volunteers Clean Up Narrow River While Maintaining Social Distance

Thanks to everyone who came out the weekend of September 26 & 27 and cleaned up trash and litter in and around Narrow River! NRPA Board Member Erin Chille and Program Coordinator Alison Kates organized this COVID safe cleanup.

Teams picked up cans, bottles, cigarette butts, plastic bags, a small wheel, a section of outdoor carpet, pieces of styrofoam, and two docks that became dislodged from their original locations and floated into marshes.

Special thanks to the individuals and families who helped, and to The URI Coastal Society and The Prout School for bringing so many helping hands!







#### **Hunting within the Narrow River Watershed**

By James D. Vogel, NRPA Board of Directors

The U.S. Fish and Wildlife Service (USFWS) approved hunting and fishing within the John H. Chafee National Wildlife Refuge within the Narrow River Watershed this summer.

In September 2020, over 500 acres within the refuge were opened to hunting. Hunting of migratory birds, white-tailed deer, wild turkey, coyote and fox are allowed between September 2020 and January 2021, per Rhode Island Department of Environmental Management (RIDEM) State Regulations.

The hunting of white-tailed deer, wild turkey, coyote and fox will be limited to archery in designated areas within the refuge for the 2020 hunting season, waterfowl hunting with firearms is permitted.

RI Hunting Licenses, which require a hunter education course, are required and each hunter must print, sign and carry a refuge hunting brochure to serve as written permission to access the refuge units for hunting.

The approved USFWS Hunting and Fishing Plan will be assessed by the USFWS annually. If the annual assessment indicates a that the habitat has deteriorated, areas may be designated either open or temporarily closed.

NRPA supports fair and respectful use of the land. We want to ensure that ALL patrons understand the rules and regulations as written. Hunting on refuge lands is restrictive to ensure compatibility with refuge purposes. NRPA will continue to monitor implementation of the plan and encourages people to educate themselves on these restrictions so that we can all continue to protect and manage our precious natural resources for generations to come.

Please visit narrowriver.org/hunting for links to official plans, regulations, resources, maps, and more.

#### Other Hunting within the Watershed

Hunting has historically occurred in the Narrow River Watershed. More recently, it has become an effective ecological management tool. Privately held tracts of land within the Narrow River Watershed have allowed hunting on an individual property basis. All hunting, firearms and archery, is permitted in accordance with RIDEM Hunting Regulations. In addition, each town has their own ordinances for hunting and firearms.

Hunting requirements throughout the watershed, private property and the

John H. Chafee National Wildlife Refuge are listed on the RIDEM Hunting and Trapping Regulations website.

RIDEM is responsible for the enforcement of the hunting regulations throughout the state. They staff a **24-hour hotline**, **401-222-3070**, to report violations of the state's environmental laws.

#### **Fishing**

Fishing is now permitted along ~1,600 feet of shoreline on the north



Overview of hunting allowed on USFWS properties in the Chafee National Wildlife Refuge. Links to more maps and information about hunting in the refuge can be found at narrowriver.org/hunting

bank of the Narrow River near Sprague Bridge per RIDEM Saltwater Recreational Fishing Regulations.

#### Rhode Island National Wildlife Refuge Complex Hunting and Fishing Plan Approval

The Rhode Island National Wildlife Refuge Complex Hunting and Fishing Plan was approved in July 2020. The plan covers areas throughout the state including the John H. Chafee National Wildlife Refuge within the Narrow River Watershed. A draft hunting plan was published in March 2020 and public comments were received by USFWS over 85 days ending in June 2020. 1,641 comments were received from individuals, municipal governments and organizations, including NRPA. 116 (7%) were in general support of the proposal and 1,465 (93%) responses were in opposition to some component(s) of the plan.

The published plan has detailed responses to each type of comment/complaint. A link to the full plan and many more resources is available at narrowriver.org/hunting.

#### It's easy to stay safe during hunting season!

- Wear bright clothing Wear blaze-orange and bright colors, and dress your children in blaze orange. Make sure that your pets wear brightly-colored or blaze-orange vests, bandanas, and other gear. Avoid wearing apparel that is white, tan, or brown, and will cause you to blend in with the landscape.
- Stick to the trails Hunters tend to stay away from heavily-used trails. Avoid exploring off the trails, where wildlife and hunters may be.
- Avoid hiking before 10am and after 3pm Dawn and dusk are prime time for hunters.
- Keep dogs on leash Dogs should remain leashed.
- Watch for signs Check the trail heads and kiosks for signs and flyers that indicate local seasons and hunting regulations.
- Go with a group In a group, you'll be wearing more colors, and making more noise that is more likely to scare away wildlife, and alert hunters that people are nearby.

#### **Fish Mortality Update**

Authors: Catalina Martinez, NRPA Board Member; Sharon MacLean, Research Biologist, NOAA Northeast Fisheries Science Center (Ret), Narragansett Lab

Due to the striped bass mortality event of August 2019, the Narrow River community was on high alert this summer for the potential of a repeat event.

Unfortunately, between July 1 and November 5, 2020, 17 dead fish sightings were reported to NRPA: 15 striped bass and two bluefish. Sightings are tracked at narrowriver.org/striped-bass.

Water temperatures in Lower and Upper Ponds were higher than usual for the past few summers, and this continued into this summer, with temperatures reaching into the 80s °F by early August. This is the upper range of lethal temperature tolerance for striped bass.

Routine dissolved oxygen measurements by NRPA's River Watch program confirmed oxygen levels were within normal range throughout the summer and fall with the exception of two partial overturns in Upper Pond in October 2020. There was no fish mortality directly correlated with the partial overturn events.

Cem Giray, Chief Science Officer with Kennebec River Biosciences in Maine, studied one fish from the mortality event in August 2019 and one from September 1 of this year. After a thorough histopathological examination of both, he determined that systemic infection of the pathogen *Photobacterium damselae* appeared to be the cause of death in both cases.

Although positive results from two fish in two years does not provide enough evidence to conclude that all mortalities were due to this pathogen, *P. damselae* is known to cause severe finfish mortalities under the right conditions. High water temperatures can increase susceptibility of fish to bacterial pathogens, and as high temperatures also increase bacterial growth rates, it is possible that this combination of factors is contributing to the mortality events in



Dead bluefish found August 30, 2020 at the boat ramp at the end of Pettaquamscutt Terrace. *Photo by P. Dodd*.

Narrow River.

It is worth stating again that *P. damselae* is a widespread pathogen in the marine environment. Although **there are no known human health risks** to eating the fish or from swimming in the river with the pathogen present, it is recommended that people with immunodeficiency and/or open wounds be careful when handling fish that look diseased, and that dead fish are disposed of in the trash to remove additional sources of the pathogen from the river.

Water temperatures will continue to increase as an inevitable impact of global climate change. Unfortunately, this may result in more finfish die-offs in the future. Thankfully, NRPA has an amazing community of volunteers helping to document changes and observations, and a series of dedicated collaborators in place who continue to work with us on these issues, because we do need to keep an eye on this. We are deeply grateful.

Thanks to the following individuals, agencies, and organizations who assisted this effort: NOAA NEFSC, RIDEM, RI Fish and Wildlife, NRPA Board Members, Marta Gomez-Chiarri, Cem Giray, Veronica Berounsky, Jim Roche, and Narrow River residents.

#### Overturn, from page 1

at about 11am, they noticed milky-colored water flowing from Upper Pond across Casey's Sill into Lower Pond (see photo), and again that smell. These observations indicate an overturn! An overturn (also called a ventilation) is a unique, natural phenomenon that occurs in Narrow River every ten to fifteen years.

This has been an interesting fall for Narrow River, with at least two partial overturns and several occasions when overturns were expected but apparently did not happen. Both the October 10 and the October 15 overturns only affected the southern half of Upper Pond and the milky-colored water dissipated by 6 pm that day, so they are both considered "partial" overturns. What is going on?

Upper and Lower Ponds of Narrow River are very deep: Upper Pond has a maximum depth of about 42 feet (13 meters) and the deepest point in Lower Pond is 65 feet (20 meters). These basins have a bottom layer of water, which is nearly permanently anoxic (without dissolved oxygen). This is a natural condition and NOT indicative of any problems. This condition is very unusual on planet Earth and the deep water contains organisms that are adapted to an environment without oxygen and with sulfur. Because of these anoxic basins, scientists come from all over the world to study Narrow River.

When an overturn occurs, usually there is a dry fall, cooler temperatures, and blustery winds. The dry fall means less fresh water is entering the river, particularly at Gilbert Stuart Stream, so the incoming salt water from Rhode Island Sound is not diluted, stays dense, and flows to the bottom of the basin, pushing the anoxic water up. The cooler air temperatures mean surface waters are cooler and there is less of a temperature difference between the layers of water. This allows them to mix. The blustery winds increase the mixing of the water layers.

An overturn is easy to identify by the milky color of the water (created by the sulfur from the anoxic layer react-

#### COVID-19 Restrictions Lead to Narrow River's Use as Test Site

Authors: Catalina Martinez, NRPA Board Member and Regional Program Manager for NOAA's Office of Ocean Exploration and Research, Dr. Brennan Phillips, URI Assistant Professor of Ocean Engineering, and Adriana Muñoz-Soto, Mechanical Engineering Student at the University of Puerto Rico.

Dr. Brennan Phillips chose Narrow River as a convenient test site for an exciting new technology when offshore field-testing was postponed due to COVID-19 restrictions. Narrow River was selected because it was easily accessible with a kettle pond deeper than 20 meters, and Dr. Phillips needed deep water to test their new compact, low-cost deep-sea camera system, that was designed to eventually be deployed from an aerial drone.

Dr. Phillips and his team spent the summer working remotely with Adriana Muñoz-Soto, a talented mechanical engineering student from the University of Puerto Rico. Adriana was participating in a virtual internship as part of her NOAA Jose E. Serrano Educational Partnership Program for Minority Serving Institutions Scholarship Program (EPP),





Dr. Phillips (wearing gray) deploying the new compact camera system from a small boat on Narrow River while his graduate student Nicholas Chaloux (wearing red) operated an aerial drone. EPP intern Adriana (right photo) is observing remotely via Dr. Phillips' mobile phone propped up on the bow of his boat in his shoe, and via Catalina's mobile phone imaging from a second boat. Thanks to Jessica Kaelblein, URI Inner Space Center videographer, for filming from the second boat.

and was co-mentored by Dr. Phillips and Catalina Martinez as her NOAA mentor.

Innovations in remote collaboration allowed for Adriana to participate in this exciting project, even sending computer aided designs (CAD) to the 3-D printer at URI, contributing fully to the design of the imaging payload. Testing on Narrow River also meant that cell reception would allow for Adriana to experience

the field test remotely.

On the day of the test, July 22, Dr. Phillips, Adriana and Catalina all dialed into a webinar link from their mobile phones so Adriana could observe the test from several vantage points. The team learned a great deal from this initial test and spent the remainder of the summer working through challenges with lighting and reel design in preparation for future testing offshore.

#### Overturn, from page 6

ing with the air and developing tiny whitish particles), the presence of a 'rotten egg' smell (hydrogen sulfide) and, if the whole basin is affected, dead fish and crabs escaping to shore to avoid the hydrogen sulfide. An overturn is disruptive to the animals, phytoplankton (microscopic plants), and microbes living in top layers (with oxygen) of the ponds! Not so obvious to the eye, the confirmation of an overturn is that the whole water column has low oxygen levels (because the deep water that comes to the surface is anoxic), the nutrient levels that animals need are high (because they build up in the deep anoxic waters), and different species of microscopic plants and animals are found (ones that do well without oxygen).

We would like to thank the Marine Ecosystem Research Laboratory (MERL) at the Graduate School of Oceanography at the University of Rhode Island for use of their YSI sonde for measuring oxygen, tem-

perature, salinity, and chlorophyll. Samples were taken for nutrients and phytoplankton, and we are looking for funds to analyze them.

The last total overturn started in mid-October of 2007 in Upper Pond and persisted for about seven weeks. Overturns have been documented in the ponds of Narrow River in 2007, 1990, 1980, 1971, 1957 (and they probably also occurred earlier), so they happen about every 10-15 years. It's been 13 years since 2007, so Narrow River is due for an overturn. There were partial overturns in November 2012 and 2010. On October 4 of this year, Christine Gouveia and Veronica Berounsky noticed that over the previous weeks, the depth at which there was no oxygen in the water column of Upper Pond had risen from 4m to 3m deep, suggesting that the deep anoxic water was coming closer to the surface. This foreshadowed what was to come!

What was different about the two 2020 partial overturns was that they both happened when the wind was really strong from the south and the

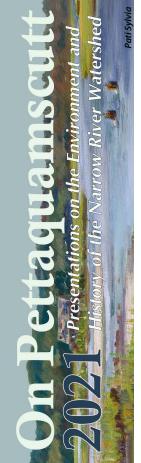
overturned water was only in the southern part of Upper Pond, not over the deepest part of the basin where most of the anoxic water is. This suggests that the wind blew the surface waters to the north, allowing deeper anoxic water to come to the surface in the south, a little different than the usual scenario. Also, both days were warm, not cool as would be expected, so perhaps the warm surface water prevented mixing of the really deep water, preventing a complete overturn.

Might a complete overturn happen this November or December? Not likely, because 1) we have had several inches of rain (and some snow!) in various storms, meaning it is not as dry, and 2) we have had two really windy days from the north and they did not cause an overturn despite drops in temperatures. But, it is always good to keep an eye (and nose) out! Let us know if you see or smell anything!

More photos of these partial overturns and details about the science can be seen at narrowriver.org.

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# On Pettaquamscutt winter speaker series

year to sponsor the Winter Speaker Series On Pettaquamscutt: Presentations with generous support from Trio Restaurant, are collaborating for the tenth South County Museum and the Maury Loontjens Memorial Library, along Narrow River Preservation Association, The Friends of Canonchet Farm, on the Environment and the History of the Narrow River Watershed.

# Season Ten Winter 2021 presentations:

Coastal Defenses. This presentation is sponsored lanuary 31: Kathie Kelleher and David Smith will give a virtual tour of the Narragansett by the Friends of Canonchet Farm.

Director Heather Kisilywicz will present Stories February 28: South County Museum Assistant of the South County Fisherman

Narragansett Coastal

January 31

Defenses

vation Association will use footage from the live March 28: Craig Wood of Narrow River Preserosprey webcam at Garrison House Acres to tell us about The Ospreys of Narrow River.

ations, a limited number of guests might attend Sundays at 1:00 via Zoom. Depending on regu-The presentations will take place on selected in person at the Maury Loontjens Memorial ibrary, 35 Kingstown Road, Narragansett.

These events are free and open to the public.

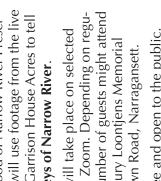
PRESERVATION ASSOCIATION

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org or at the calendar page of the library website Participants must register at OnPettaquamscutt. Registration will open at the beginning of the to reserve a seat or to receive a Zoom invite. month for each presentation.

NARROW RIVER

org, call 401-783-5344, or email info@onpettaquamscutt.org For more information, go to onpettaquamscutt.





Ospreys of Narrow River March 28

narrowriver.org/narrow-river-notes. See this issue in FULL COLOR at

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