



NSRWA
therivershed.org

October 2009

RiverWatch

THE NORTH AND SOUTH RIVERS WATERSHED ASSOCIATION, INC.

Leading the Way, Not Paving It Municipal Action Needed to Control Stormwater

Paved surfaces, mostly near tributaries, increase river pollution, and exacerbate low flows

Pavement, roofs, parking lots, roads, sidewalks...all of these are impervious surfaces, and they disrupt nature's water cycle. Impervious surfaces cause two problems – polluted storm runoff and the alteration of natural stream flows.

Sudden runoff from paved surfaces increases streamflow during rain events, and reduces streamflow in summer and droughts by reducing recharge into our aquifers and the slow release of that water into streams. Climate change in the Northeast is expected to result in more extreme droughts and more frequent and intense rainfall events, making the problem worse.

Over many years, NSRWA and others have done a good job of protecting the main stem of the rivers. But hidden in the upper watershed, the tributary streams that feed the rivers are being impacted by increasing impervious surfaces. These cause pollution miles downstream, closing beaches and shellfish beds.



Hanover Mall parking lot. Photo by Debbie Cook.

In the end the NSRWA hopes to lead the way, not pave it.

NSRWA works with communities to solve stormwater problems

In our last newsletter we highlighted the individual actions that can be taken to

restore nature's water cycle, including building a rain garden and installing rain barrels to capture roof runoff for outdoor watering. We also need our towns to take action. Our communities can enact planning laws that stop the proliferation of so much pavement, and can finance and fix the impacts from exist-

ing pavement.

NSRWA regularly works with towns to address these problems. Two examples:

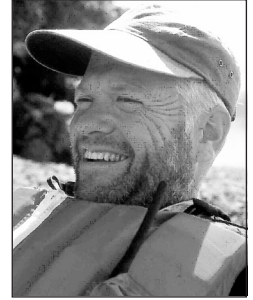
NSRWA has been working with **Pembroke** to install demonstrations of

“Low Impact Development” (LID) techniques. These practices mimic the natural water cycle by reducing paved surfaces, using alternative paving materials, and wherever possible using natural systems like rain gardens and vegetated swales to treat and recharge polluted runoff. (The article on page 6 describes the projects that were installed at Town Hall and the Oldham Pond Boat Ramp as part of a \$270,000 grant that the NSRWA obtained to work with the town.)

In **Scituate**, NSRWA initiated the passage of a stormwater bylaw and regulations that require development and redevelopment to use LID techniques.

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Letter From The President



As I have just reached a milestone in my life, after a little obligatory soul searching, I have come to realize that there exists a lot of wisdom in the way many of my friends celebrate life in conscious sometimes daily rituals. Stretching, yoga, meditation, giving thanks are all things that over the years, the skeptic curmudgeon in me dismissed as frivolous distractions. Why be reflective when there is so little time and so many things to immerse yourself into? Its not that I haven't appreciated the many gifts that life provides, I've just been a little slow understanding how valuable formally recognizing those gifts can be. With the zealotry and probable irritation of the newly converted, I have adopted a few daily rituals. One of my favorites is a "Greet the Day" stretch and thanksgiving which includes several opportunities to celebrate the natural world. As my time as President of the NSRWA closes, I thought I would use this morning's ritual to give thanks to the many gifts of the rivers. Here are a few memories of the North and South Rivers that I am grateful for:

- Paddling at the mouth watching bluefish chase bait fish through the standing, translucent waves backlit by a late Spring's sunrise.
- Watching the moon rise over Fourth Cliff on several well attended full moon paddles.
- Inspired by stories about the rivers from folks like Betty Lamphier and Maggie Walker, life-long educators and stewards of the watershed.
- Counting blackbirds, as clouds of them descended at dusk to roost near Blueberry Island during Christmas bird counts with Sarah, Marion Pratt and Bob Fox.
- Watching volunteers pull everything from aluminum cans to shopping carts from the rivers, eagerly awaiting the coveted treats served by the "Grill-master" Mark Norton on our annual river clean up day.
- Working with Ellyn Einhorn, Chris Dalton and Don Salvatore during the first few summers of the River Adventures program, weeks filled with adventure, enthusiastic participants, dip nets, microscopes, kayak and canoe skills and camping at Couch's Beach.
- The stands of cardinal flowers, hermit crab colonies, secretive rails and other surprises that appear at each turn of the rivers.
- The Great River Race! From pirates, wild turkeys, dragon boats, to serious and not so serious determination and fun, the river comes alive with North and South River enthusiasts.
- Sitting around the office table with board members and staff as we meet to work on the organization's challenges. I am humbled by the expertise, dedication, commitment and vision of those past and present stewards who's work has been so successful.
- Nick Tyack and friends! His inspirational fundraising effort and work with the NSRWA gives us hope for the future and solace that the next generation of stewards are alive and kicking!
- The many members of the NSRWA whose invested interest, donations and participation have been instrumental in the health and well-being of our shared gift, the North and South Rivers.

Thanks and see you on the water,
Doug Lowry

Letter From The Executive Director

Focusing Our Programs, Increasing Our Effectiveness

To our loyal members:

You have been generous supporters of the North and South Rivers, and I hope you share our pride in your Association's many achievements. But particularly in these difficult times, we owe it to you to set our priorities carefully, to focus our programs for maximum effectiveness, and to get the most for every dollar you contribute.

Accordingly, for the past several months NSRWA's staff and board have been taking a fresh look at where the rivers stand, and what we hope to accomplish over the next few years. We have decided to focus on three key problems facing the North and South Rivers:

- Water withdrawals that reduce river flows;
- Paved surfaces that cause pollution and also alter flow; and
- Impediments erected along the rivers that halt fish runs and impair the rivers' health.

We have analyzed what has to be done to solve these challenges, and have concluded, most fundamentally, that **it is not enough to focus on the rivers themselves: they are part of a system, and what happens up the tributaries can close beaches and shellfish beds miles downstream.**

We have examined carefully how we have been most effective in promoting these solutions in the past, and report (on the next page) on our broad strategies for addressing our rivers' problems.

We are in the final stages of deciding our specific program goals for the next few years, and will explain these in our next newsletter.

Thank you for your membership and support!

Sincerely,
Samantha Woods



Improving the Health of the North and South Rivers Watershed

NSRWA has made great progress in the last 39 years of protecting and advocating for the North and South Rivers. We have been successful in cleaning up most major pollution sources on the rivers and they are cleaner and healthier than ever before.

However major challenges remain. The North and South Rivers are part of a larger system, and water withdrawals, development and impediments (dams, culverts, tide gates) far up their tributaries can have impacts miles downstream. Water withdrawals, particularly in summer, can leave streams dry. Development of more paved surfaces causes water pollution and alters stream flows. Impediments erected along the tributaries and rivers halt fish runs and impair river health.

Making the situation worse, climate change is likely to increase the extremes of both drought and rainfall in the Northeast, increasing pollution and putting more strain on our water infrastructure and the health of our water.

Three priorities are foremost:

- We need to educate the public that actions up tributaries can have impacts far away, and the importance of being stewards of the entire watershed.
- We need to protect the natural water cycle that replenishes and cleans our rivers by encouraging the use of less pavement and more treatment of stormwater.
- We need to ensure that impediments to flow are improved to handle the water flow demands of the 21st century and improve fish passage and river habitat.

The NSRWA is uniquely able address these issues at a local level by creating an informed and concerned public and knowledgeable

municipal officials. Here are some examples of our successes.

NSRWA as Educator

Examples of NSRWA led education efforts:

The Greenscapes program is a comprehensive water conservation education program started by the NSRWA and currently in 10 South Shore towns. Due to its success here, 40 towns throughout the state have adopted the program.

NSRWA's youth education programs include:

- 5th grade field trips to water facilities
- Watershed Explorer's Club that educates through on-line and field activities
- River Adventures Camp attended by over 250 kids

Adult education through our newsletter, website, weekly e-mails, articles in the newspapers, and direct mail.

NSRWA as Advocate

The NSRWA is an effective advocate for the watershed, working with municipal officials and the public to effect many policy changes that result in measurable improvements to the watershed.

Examples of NSRWA advocacy:

- NSRWA has recently helped Scituate become a leader in stormwater manage-



ment by adopting a stormwater bylaw that encourages less pavement and more treatment.

- NSRWA support for the adoption of the Community Preservation Act in watershed communities has resulted in the protection of over 500 acres of open space that helps to protect our watershed and rivers.
- NSRWA advocacy resulted in the passage of a No Discharge Designation for the rivers in 2008.

NSRWA as Monitor

Finding pollution hot spots, measuring flows, gauging the health of our salt marshes and fish runs all give the NSRWA critical information to provide technical advice, shape remedies, and inform decision-making at a local level. An added benefit is that by training volunteers to conduct this monitoring, we are also creating more stewards for these resources.

Results of NSRWA monitoring:

- NSRWA water quality testing has led to stormwater and wastewater facility upgrades and to the opening of recreational

more, next page

shellfishing in the North River.

- Habitat monitoring has supported the restoration of over 2,000 acres of tidal salt marsh on the South Shore.

Summary of Solutions

Revisiting the three identified priorities, here are some fundamentals for their solutions:

Priority A- Focus our education on building understanding on how our individual and collective actions even far away from the river impact the watershed and nature's water cycle.

Priority B - Minimize the degradation of the natural water cycle to improve water quality and keep rivers flowing. Many opportunities exist, from actively promoting low-impact development, such as using permeable pavers and building raingardens, to strategic land acquisitions.

Priority C - Infrastructure improvements to handle flow and improve fish passage. Solutions must be matched to the particular impediment. Examples of solutions include:

- Fish ladders that work
- Water supply management of reservoirs to allow for streamflow
- Tide gates managed to allow for as much natural flushing as possible

As the NSRWA develops the final aspects of its program for the next few years, we will focus on water-related issues throughout the entire watershed, including the tributaries, and to build on our three core strengths - education, advocacy and monitoring.

*by Samantha Woods
Executive Director*



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Demonstrating Clean Water in Pembroke

The NSRWA and its partner the Massachusetts Bays Program work hard to provide our communities with technical assistance and funding sources to implement stormwater remediation projects. For example, we just recently completed a \$270,000 Clean Water Act grant funded project to work with the Town of Pembroke to install “Low Impact Development” practices that treat and recharge stormwater back into the ground. The point of this project was twofold - to demonstrate alternatives to traditional pavement and to install innovative treatment that recharges back into the groundwater.

When we first approached the Town of Pembroke to do this project they were enthusiastic and why not? They had existing projects that we could obtain grant funding for to defer some of the town’s costs and provide an example to others on how to manage stormwater to protect our water resources. A true win-win situation! The two projects were the much needed upgrade to the Oldham Pond Boat ramp and the renovation at the Pembroke Town Hall parking lot and adjacent tennis courts. As demonstration projects, both

sites were chosen for their high public visibility, and because the town was intending to do work at these sites already their work provided the 40% required match to obtain the grant.

Oldham Pond is a headwater of the North River and has considerable water quality challenges from stormwater runoff. Also while the Town Hall in Pembroke does not directly abut a waterbody, many visit the Town Hall particularly when in need of a permits to build or pave.

The NSRWA had great partners in the Pembroke Watershed Association, the Mattakeeset Garden Club, Pembroke Boy Scout Troop 43, the Pembroke Department of Public Works and the engineering consultant Comprehensive Environmental. The community groups engaged volunteers to help plant and maintain the rain gardens, build educational kiosks at the sites and assisted in public presentations and really made the project happen.

Below is a description of the different elements that were included in the renovations at these two sites. Next time you are in Pembroke considering taking a look - there are posters depicting the designs at both sites.

Rain Gardens or Bioretention Basins

A rain garden, also called a bioretention basin, is much like a normal garden except it contains a special soil mixture that contains more sand so it will drain quickly and a layer of gravel at the bottom to store water as it drains into the ground.

They are typically planted with native,



Permeable pavers on Washington Street in Pembroke

drought-tolerant plants. Their purpose is both filtration (physically by the soil particles and biologically by the plants and natural soil bacteria) and infiltration (as the water percolates into the groundwater.) There are raingardens at the corners of the Pembroke Town Hall and along the Town Police station that capture, treat and recharge roof runoff while also beautifying these public spaces.

Permeable Pavers

Permeable pavers resemble bricks that are designed with spaces between them to allow water to soak through instead of running off (i.e. the pavers used in the Pembroke 319 project are essentially squares with the corners cut off.) Their primary purpose is infiltration of rain water, thus reducing the amount of impervious surface area and lessening the amount of water runoff. These were used on the Oldham Pond boat ramp in Pembroke.



Porous pavement and permeable pavers at Oldham Pond Boat Ramp in Pembroke.

continued, next page

Demonstrating Clean Water, continued from page 6

Porous Pavement

Porous pavement is specially mixed asphalt that allows water to percolate through instead of running off. It is very effective, however it does require cleaning with a vacuum streetsweeper. It also ices up less during the winter, according to research from the University of New Hampshire's Stormwater Center. The primary purpose of porous pavement is infiltration. Porous pavement is located in a strip along the edge of the Oldham Pond boat ramp parking lot and in the aisle of the trailer parker lot, in the center of the Pembroke Town Hall parking lot, and along the side of the Pembroke tennis courts.

Geoblock Grid

Geoblock grid is made up of interlocking plastic pieces with large gridded spaces. These spaces are filled with gravel and planted with grass. Although it is primarily intended for infiltration, having vegetation growing in the interstitial spaces also lends some filtration that removes pollutants as well. It is suitable for areas that do not receive constant traffic. Geoblock grid has been installed in the trailer parking areas at the Oldham Pond boat ramp.

by Sara Grady, Watershed Ecologist, Mass Bays Program

Leading the Way, continued from page 1

NSRWA provided support and technical assistance to the planning board to see the bylaw passed in 2008, and regulations adopted this past summer.

NSRWA is committed to engaging more communities to adopt

stormwater bylaws, and will be asking our members to vote for them.

This fall the NSRWA board decided to institute a "Blue Community Award" to acknowledge communities within our watershed that have taken exemplary actions towards restoring nature's water cycle. The Town of Pembroke will both be honored at this event for their work over the last several years.

Controlling impacts from existing pavement

But stormwater bylaws that change the course of future development will only solve half the problem – not allowing the problem to become worse. In addition, existing pavement needs to be swept regularly to prevent pollution, and existing stormwater systems need to be maintained, cleaned and upgraded. In order to address stormwater issues

more systematically, our towns need to have dedicated funding for these purposes.

NSRWA will address existing stormwater problems by providing stormwater financing workshops to municipal officials, and partnering with communities to identify and clean up "pollution hot spots" - in particular Marshfield along the South River, where we hope to get the shellfish beds open.

*by Samantha Woods
Executive Director*

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NSRWA'S 19th Annual Great River Race and Dr. Sara's 7-Mile Swim

The North & South Rivers Watershed Association's 19th Annual Great River Race was an outstanding success with 96 non-motorized craft participating, with enthusiastic paddlers and rowers racing to the finish line. The race course is 7 miles starting at the Union Street Bridge in Norwell and ending at the Old Washington St. Bridge at the Pembroke/Hanover line.

In addition to the usual non-motorized craft, the NSRWA's very own staff ecologist, Sara Grady, swam the 7 mile course to raise awareness of

the state of the river and raise funds for the organization. To our knowledge, no one has ever done this before. Dr. Sara completed the course in 3 hours, 8 minutes and 7 seconds, and raised over \$2,000 in donations for the North & South Rivers Watershed Association. Thank you Sara...and thank you to all those who supported her efforts for the NSRWA!

NSRWA friends Mary Ann & Kevin McGreal once again hosted the awards ceremony and party at McGreal's Tavern in Norwell Center, where awards were presented to the top finishers in the many categories.

Special Thanks to the generous support of Great River Race Business Sponsors that help make this wonderful community event possible.

by Paula Christie

19th Annual Great River Race Sponsors

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- Monahan's Marine
- MTI Adventure Wear
- Norfolk Ram Group LLC
- P.F. Spencer Jr. Inc.
- Rockland Federal Credit Union
- Scituate Federal Savings
- Village Green Landscape



Photos: clockwise from top.

•Sara Grady at the end of her swim. Photo by Mark Holbrook.

•The start of the men's kayak race. Photo by Paula Christie.

•The starting line in Norwell. Photo by Paula Christie.



2009 RACE RESULTS

Canoe Family

Eugene B. Haen III, Jason & Adam Haen	1:30:16
Amy, Jason & Titus Breen	1:53:10
Michael, Kate & Liam Joy, Oliva Cyrus	1:57:06

Canoe Men

Pete Olson (SR) & Ed Halpin Jr. (SR)	0:59:10
Joe Lukaszevicz & Dennis Morgovio	1:01:11

Canoe Mens Single

William Brown	1:05:10
Chris Murtagh	1:11:48

Canoe Mixed

Bill & Lindsey Regan	1:07:50
John (SR) & Nanci LaMarre (SR)	1:09:48
Steve & Anna Schroeder	1:41:03

Kayak Double

Daniel & Samantha Jones	1:03:31
Neil Oliwa & Tim Ayers	1:08:21
Doug Gray & Pat Clark	1:11:21

Kayak Single Men

Philip Sherman (SR)	1:01:31
Eric Rightmire	1:01:54
Bev Barnard	1:04:57

Kayak Single Women

Deb McCarthy	1:12:33
Nancy Whipple	1:15:02
Suzanne Lituri	1:17:54
Diane Phinney (SR)	1:24:42

Rowing Fixed Seat Double

Jeffery (SR) & David Roderick	1:10:17
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Rowing Fixed Seat Single

Craig Robinson	1:14:55
Doug McLellan	1:17:28

Rowing Fixed Seat Family

David & Margie Vose with Harrison, Grace, and Isabella	2:10:31
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Rowing Sliding Seat Single

Craig Wolfe	0:58:55
John Scott Thornburn	1:05:23
Nowell Bloomenthal	1:09:36

Best Decorated Boats

Kayak Double

Carolyn Sones
Sally Gauditis

Kayak Single Men

Skip Holland

WATER QUALITY

2009's River Watch Sampling Program



A "sampling" of River Watch 2009 volunteers. Photo by Paula Christie.

The NSRWA's 15th Annual River Watch Water Quality Sampling Program had a great season with a dedicated group of volunteers.

The program has been able to continue over the years partly due to a generous gift from an anonymous donor.

Though the summer had its fair share of rain, most of the sampling events were done during dry weather spells, translating into low levels of bacteria. Overall, bacteria levels have improved over the years, except for the Willow St. Bridge site, where we continue to see higher levels. Samplers noted that there was some light drizzle on the 8/13 and 8/27, but not enough to contribute to significant levels of contamination from runoff. Sources of contamination can come from human and animal waste from stormwater runoff and failed septic systems that can leach bacteria.

The volunteer driven program, which began in 1994, monitors ten sites along the North and South Rivers for fecal coliform bacteria during the summer months. The purpose of the program is to provide the public with information regarding which sections of the river are safe for recreational purposes, as well as help our organiza-

tion monitor, identify, and potentially eliminate sources of pollution in the rivers.

We are waiting to hear if we have been funded to follow up on some more intensive bacterial source monitoring upstream in the South River. We hope to have positive news about this funding source but if not we will continue to seek funding to follow the bacteria upstream of the Willow St bridge in Marshfield.

by Paula Christie

Results on next page.

Special Thanks to our 2009 Volunteers:

Nicole Bertone
Leah Bleiken
Ralph Butler
Aria Fitcher
Bill Grafton
Rachel Laiosa
Al LaRue
Jim Lathop
Andrea Miller
Linda Miller
Sean Morrison
Janis Stevenson
Kensley Waterman

RiverWatch Water Quality Results 2009

		North River and Tributaries								South River		
Date	Type of Bacteria	Washington Street Bridge	Corn Hill Lane	M'field Canoe Launch	Scituate WWTP	Driftway Park	North River Marine	Damon's Point	North River Mouth	Julian Street Bridge	Willow Street Bridge	Rainfall in last 48 hrs
6/17/09	FC Enterococcus	36	44	31	0	12 12	15 6	6 4	NS	14 3	100	0
6/30/09	FC Enterococcus	230	66	110	2	33 8	20 5	18 2	5 0	100 13	300	0.02
7/15/09	FC Enterococcus	26	120	55	33	14 2	13 3	10 3	0 0	39 7	400	0
7/29/09	FC Enterococcus	69	190	110	1	71 6	44 7	20 7	6 2	56 9	120	0
8/13/09	FC Enterococcus	180	340	140	1	23 13	34 14	28 9	8 0	79 28	500	0.01
8/27/09	FC Enterococcus	130	280	170	1	140 17	91 8	74 4	4 1	75 13	600	0

Numbers indicate colonies of fecal coliform and enterococcus bacteria per 100 mL of water.
 Numbers in boldface exceed Massachusetts single sample threshold for swimming (FC: 400/100mL, Enterococcus: 104/100mL).
 Massachusetts threshold for shellfish is 14+ per ML and for drinking is 0 per 100 mL.

NSRWA PEOPLE

Rivershed Steward Profile: Janis Stevenson

Long time volunteer Janis Stevenson, has been involved with the North & South Rivers Watershed Association since the early 1990's when Dan Jones, the NSRWA first director, came on board.

Having worked in a biology clinical chemistry lab prior to having her two children, Janis decided to make the transition while raising her children to be an NSRWA volunteer, as the North River was in her back yard.

In the early days before the RiverWatch water quality monitoring program, the NSRWA received a grant to monitor and analyze rain water runoff on an immediate response basis. Janis had the scientific background to set up and analyze the samples herself taken by volunteers within an hour after the rain started.

After returning to teaching science to middle school students, Janis kept her hand in NSRWA sampling programs and

brought her students along. This summer was no exception when she brought along and trained three of her nieces to do RiverWatch Water Quality Monitoring.

One of Janis' biggest concerns is that the schools don't have enough environmental education in their curricula - no MCAS oceanographic standards or environmental standards. She feels that we can't blame children, our future adults, for not protecting the environment if they don't know or understand how to protect it - for example understanding how rainwater runoff



Janis Stevenson on the bank of the North River.

impacts our rivers and streams. We wish to thank Janis for helping us carry out our mission of educating the public, especially our children, in the importance of understanding, protecting and preserving our environment.

Letter From Nik Tyack

July 2009

Dear Friends of the NSRWA and the Rivers,

Thank you so much for your generous support. Your donation, along with many others, has allowed NSRWA to raise over \$6,600, an invaluable contribution to the Watershed's mission in these troubled economic times. This will go a long way towards maintaining the Watershed Association's programs and efforts to both educate and preserve.

Furthermore, thank you from me for showing interest in my journey - without such inspiring support, I don't think I could have made it through muddy Stetson Brook, or would have had the guts to wade underneath the Carver Cotton Gin Factory in East Bridgewater. Who knows whether I would have had the perseverance to continue portaging around tree after downed tree in the Satucket and Matfield Rivers long after I could no longer keep track of how many there had been? Even if my paddling partners could have prodded me along, the excitement about the Wampanoag Canoe Passage I felt --- from friends and family, in the encouraging messages left on my fundraising page, and your generous support --- spurred me on at each new obstacle and made me not regret one minute of the four days I spent traveling (slogging, more often than not), from Scituate to Dighton.



Nik Tyack at the end of the paddle.

I hope you'll keep your eyes out for more information about local history and waterways, or about the Wampanoag who first paddled down the North and Taunton Rivers, carrying with them a sense of ecological responsibility that we can still aspire to today. Perhaps you'll even find time to paddle part of the trail - if you do, I recommend starting out with the more navigable North and Taunton Rivers.

Thanks again for helping to ensure that the North and South Rivers Watershed Association can continue to do its very best to protect the North and South Rivers, a unique resource for those of us who live on the South Shore and visitors alike. Your continued support and interest is invaluable.

Sincerely,
Nicholas Tyack

P.S. --- go to www.wampanoag-passage.blogspot.com to view my blog, and www.picasaweb.google.com/Ntyack to view pictures.

NSRWA's Fall 2009 Events

Nelson Memorial Forest Walk

Sunday, November 1st
2 - 3 pm

Explore a local forest! The NSRWA and the New England Forestry Foundation are co-sponsoring a walk led by Phil Benjamin, owner of Benjamin Forestry Services, at the Nelson Memorial Forest in Marshfield. Phil will focus on the various facets of woodland stewardship and management. Meet at the Marshfield Conservation parking lot on Union St.

The Tradition Continues NSRWA's New Years Day Walk

Friday, January 1, 2010 at 1 pm

Join us for our annual New Year's Day Walk at the Tubbs Meadow Preserve in Pembroke. The walk will begin at 1:00 pm. The trail head is located off of Monroe Street in Pembroke. The preserve is 125 acres of diverse habitat including old cranberry bogs, dirt roads, a large reservoir, unaltered wetlands and acres of oak and pine uplands. It is home to many birds and animals. After a walk through this interesting property, which is also a piece of the Bay Circuit Trail, hearty refreshments will be served.

Directions: Follow Route 53 towards Pembroke, to Route 14 East towards Pembroke Center, take left on Center St, then left on Hobomock, then right on Monroe St.

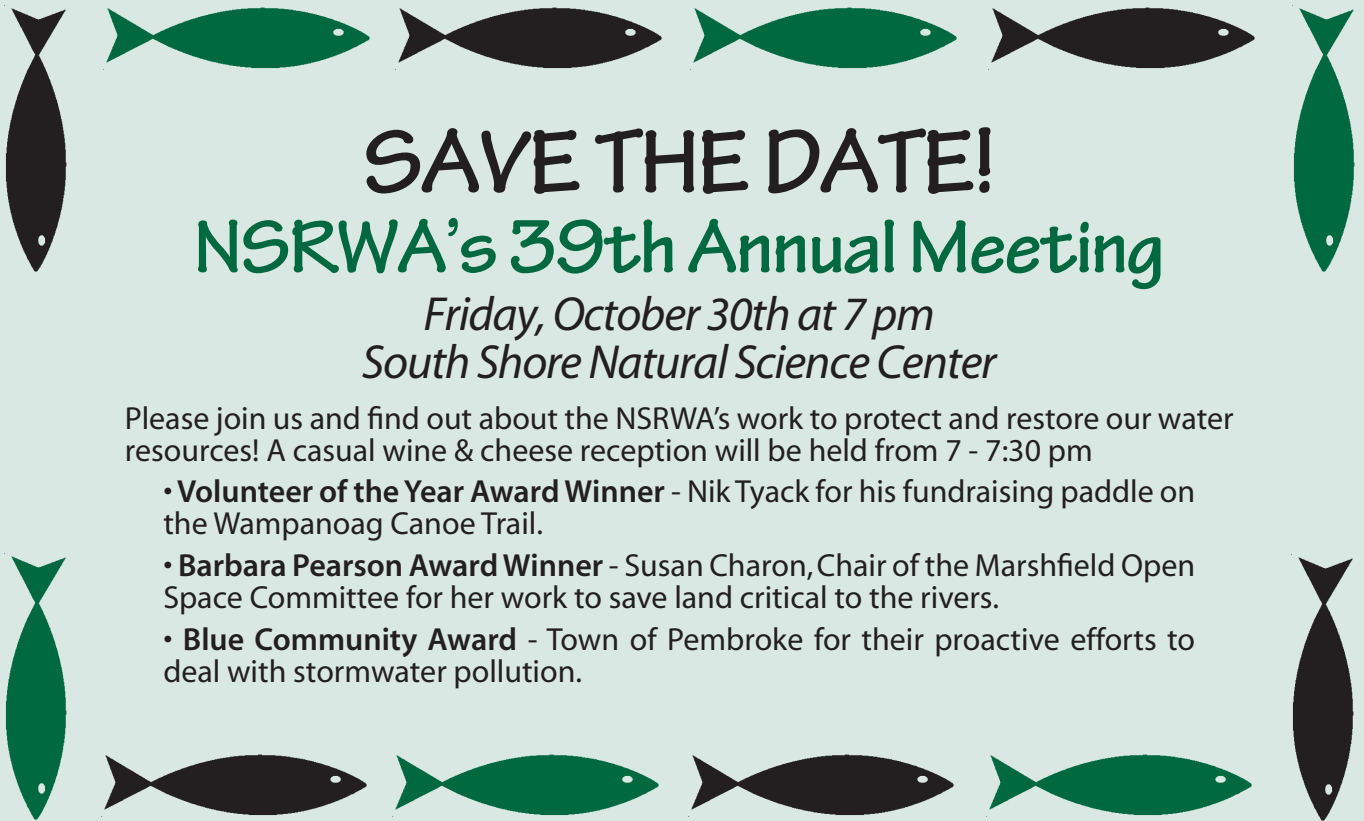
One
More
Event
On
Next
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RiverWatch

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SAVE THE DATE! NSRWA's 39th Annual Meeting

*Friday, October 30th at 7 pm
South Shore Natural Science Center*

Please join us and find out about the NSRWA's work to protect and restore our water resources! A casual wine & cheese reception will be held from 7 - 7:30 pm

- **Volunteer of the Year Award Winner** - Nik Tyack for his fundraising paddle on the Wampanoag Canoe Trail.
- **Barbara Pearson Award Winner** - Susan Charon, Chair of the Marshfield Open Space Committee for her work to save land critical to the rivers.
- **Blue Community Award** - Town of Pembroke for their proactive efforts to deal with stormwater pollution.