

## 2012 Annual Report Wood-Pawcatuck Watershed Association



To promote and protect the integrity of the lands and waters of the Wood-Pawcatuck Watershed

Through Recreation, Research, Education and Stewardship

# Wood-Pawcatuck Watershed Association 2012 Annual Report

published May 2013

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On cover: Lawson M. Cary, Jr. Memorial Fishway at Horseshoe Dam in Shannock, RI

# Presented at WPWA Annual Meeting May 16, 2013

## Watershed Watch Monitors Linda Greene

In recognition of 25 years monitoring Yawgoo Pond

## **Sindy Hempstead**

In recognition of 20 years monitoring Tucker & Bullhead Ponds

## **Keith Manning**

In recognition of 10 years monitoring the Pawcatuck River

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*In recognition of 5 years monitoring Pasquisett Pond* 

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## Volunteer of the Year Roger Masse

In recognition of his extensive knowledge of local wildlife, and his enthusiastic contributions over the last several years toward increasing WPWA participants' understanding of the watersheds natural communities.

## Trustees Award Ed Lombardo

In recognition of his lifelong investment toward educating and inspiring recreationalists to responsibly fish the waters of this Watershed, with an emphasis on the stewardship of habitat and wildlife protection. His practice and teaching of the noble art of fly-tying and fly fishing, the use of barbless hooks to minimize injury to fish, the policy of catch and release, and determination to leave as small a footprint as possible exemplifies WPWA's ideals.

## Salomon Award Harvey Buford

In recognition of his tireless volunteerism and significant achievements to conserve the natural resources and ecosystems of the Wood-Pawcatuck Watershed and the Town of Hopkinton,
In furtherance of the goals and values of the Mitch and Betty Salomon Endowment.

## Lifetime Achievement Award Eugenia Marks

In celebration of the significant and lasting contributions she has made to protect the land, water, air, and biodiversity of the State of Rhode Island; and to recognize her exceptional ability to deftly navigate field, forest, wetland, and State House Hearing room with grace, wisdom, tenacity, and civility.

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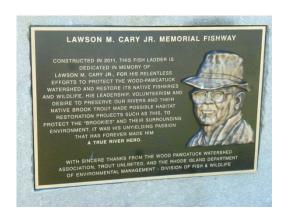
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Lawson M. Cary Jr. Memorial Plaque at Horseshoe Dam

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## **№** PROGRAM ACCOMPLISHMENTS **№**

#### RIVER RESTORATION

## Fish Passage - Pawcatuck River

- Modifications to the fish passage weirs were completed ensuring that all resident and migratory species may pass through of the former location of the Lower Shannock Falls in Shannock. This was made possible with funding provided by the US Fish & Wildlife Service, the USDOC's National Oceanic & Atmospheric Administration, Fuss & O'Neill Inc and MAS Building & Bridge Inc.
- Construction of the Lawson M. Cary Jr. Memorial Fishway, a Denil Fish Ladder & Eelway at the iconic Horseshoe Falls Dam, was completed by WPWA allowing access for resident and migratory aquatic species to the Beaver River for the first time in centuries. This project was made possible with funding and technical support from USDOC's National Oceanic & Atmospheric Administration, Rhode Island Coastal Resource Management Council, US Fish & Wildlife Service, and the Rhode Island Department of Environmental Management. Special thanks to landowner Jeffrey Marlowe, dam owner Francis Flynn, and resident historian Sanford Neuschatz for their support assistance in making this valuable and historic project a success. Also to Fuss & O'Neill Inc, Fuss & O'Neill Design Build, and MAS Building and Bridge, the RI Historical Preservation & Heritage Commission, The Shannock Water District, and RI Dept. of Transportation for their contributions and cooperation.
- Engineering, design and permitting for a rock ramp fish passage structure at the Kenyon Mill Dam was completed by WPWA thanks to significant funding provided by USDOC's National Oceanic & Atmospheric Administration and the Rhode Island Coastal Resource Management Council. In the summer of 2013 the dam will be replaced facilitating access for migratory and resident aquatic species to Worden's Pond for the first time in hundreds of years. This project will complete restoration of the historic fish runs from the Atlantic Ocean to the headwaters of the Pawcatuck River. WPWA is proud to complete this work begun in the 1970's on the lower Pawcatuck River by the RI Dept. of Environmental Management and others. Special thanks to Kenyon Industries for their cooperative efforts to realize this momentous achievement.

## SCIENTIFIC RESEARCH AND DATA COLLECTION

#### **Invasive Species**

In the summer of WPWA conducted a biological control for purple loosestrife in the Shannock section of the Pawcatuck River. This project was done as part of larger project to remove the dam at Lower Shannock Falls. 4,000 Galerucella spp. adult beetles were released in July. Spring and fall monitoring was done at the Shannock site for evidence of the effectiveness of biological control of the purple loosestrife. Evidence to date suggests that this type of biological control has very limited success in a river habitat.

## Water Quality Monitoring

- WPWA completed 25 years of water quality monitoring in the watershed. RIDEM regularly uses this data as part of their State of the Waters report.
- 25 volunteers monitored 12 lakes and ponds and 18 streams and rivers.
- **WPWA** staff conducted macroinvertebrate sampling at 6 river sites in the watershed.
- **W**PWA staff conducted temperature studies at 6 sites on the Beaver River and 4 sites on Brushy Brook.

## 2010-12 WPWA Monitoring and Study Sites in CT and RI by Town

Town	2010	2011	2012		
CONNECTICUT					
CONNECTICUT  North Standard (Those sites are monitored and on the North Standard Citizens Lond Alliense are areas)					
North Stonington (These sites are monitored under the North Stonington Citizens Land Alliance programs)  Asseconk Brook WQ Sampling 2 sites WQ Sampling 2 sites WQ Sampling 1 sites					
Green Falls Brook	WQ Sampling 2 sites WQ Sampling 3 sites	WQ Sampling 2 sites WQ Sampling 3 sites	WQ Sampling 1 sites WQ Sampling 3 sites		
Shunnock River	WQ Sampling 2 sites	WQ Sampling 4 sites	WQ Sampling 2 sites		
Wyassup Lake	Lake Sampling	Lake Sampling	Lake Sampling		
vvyassup Lake	Lake Samping	Lake Sampling	Lake Samping		
RHODE ISLAND					
Charlestown					
Pasquiset Pond	Lake Sampling	Lake Sampling	Lake Sampling		
Watchaug Pond	Lake Sampling	Lake Sampling	Lake Sampling		
Pawcatuck River	WQ Sampling 4 sites	WQ Sampling 4 sites	WQ Sampling 4 sites		
	1 8	r o	r 8		
Exeter					
Boone Lake		Lake Sampling	Lake Sampling		
Yawgoo Pond	Lake Sampling	Lake Sampling	Lake Sampling		
Falls River	WQ Sampling 4 sites	WQ Sampling 4 sites	WQ Sampling 4 sites		
Glen Rock Brook	WQ Sampling 1 site	WQ Sampling 1 site	WQ Sampling 1 site		
			Macro Sampling 1 site		
Locke Brook	WQ Sampling 1 site	WQ Sampling 1 site	WQ Sampling 1 site		
Queen River	WQ Sampling 4 sites	WQ Sampling 4 sites	WQ Sampling 2 sites		
Sherman Brook	WQ Sampling 1 site	WQ Sampling 1 site	WQ Sampling 1 site		
Hopkinton					
Alton Pond	Lake Sampling	Lake Sampling	Lake Sampling		
Wincheck Pond	Lake Sampling	Lake Sampling	Lake Sampling		
Ashaway River	WQ Sampling 2 site	WQ Sampling 1 sites	WQ Sampling 1 sites		
Brushy Brook	WQ Sampling 2 sites	WQ Sampling 2 sites	WQ Sampling 2 sites		
		Macro Sampling 1 site	Macro Sampling 1 site		
			Temp Study 4 sites		
Parameter Brook	WQ Sampling 2 sites	WQ Sampling 2 sites	WQ Sampling 1 sites		
Pawcatuck River	WQ Sampling 3 sites	WQ Sampling 3 sites	WQ Sampling 3 sites		
Tomaquag Brook	WQ Sampling 2 sites	WQ Sampling 1 site	WQ Sampling 1 site		
Wood River	Macro Sampling 3 sites	Macro Sampling 3 sites	Macro Sampling 1 site		

Town	2010	2011	2012
Richmond			
Alton Pond	Lake Sampling	Lake Sampling	Lake Sampling
Meadowbrook Pd	Lake Sampling	Lake Sampling	Lake Sampling
Beaver River		Macro Sampling 1 site	Macro Sampling 1 site
			Temp Study 6 sites
Meadow Brook			Macro Sampling 1 site
Pawcatuck River	WQ Sampling 2 sites	WQ Sampling 2 sites	WQ Sampling 2 sites
White Brook	WQ Sampling 1 site	WQ Sampling 1 site	WQ Sampling 1 site
Wyoming Pond	Lake Sampling		
South Kingstown			
Barber Pond	Lake Sampling	Lake Sampling	Lake Sampling
Hundred Acre Pond		Lake Sampling	Lake Sampling
Usquepaug Pond	Lake Sampling	Lake Sampling	Lake Sampling
Worden Pond	Lake Sampling	Lake Sampling	Lake Sampling
Yawgoo Pond	Lake Sampling	Lake Sampling	Lake Sampling
Chipuxet River	WQ Sampling 1 site	WQ Sampling 1 site	WQ Sampling 1 site
Glen Rock Brook	WQ Sampling 1 site	WQ Sampling 1 site	WQ Sampling 1 site
Pawcatuck River	WQ Sampling 2 site	WQ Sampling 2 site	WQ Sampling 2 sites
Queen River	WQ Sampling 2 site	WQ Sampling 2 site	WQ Sampling 2 site
	1 0	Macro Sampling 2 sites	1 0
Sherman Brook	WQ Sampling 1 site	WQ Sampling 1 site	WQ Sampling 1 site
Shickasheen Brook	WQ Sampling 4 site	WQ Sampling 4 site	WQ Sampling 4 sites
Tucker Pond	Lake Sampling	Lake Sampling	Lake Sampling
White Horn Brook	WQ Sampling 2 site	WQ Sampling 2 site	WQ Sampling 2 sites
Westerly			
Pawcatuck River	WQ Sampling 7 sites	WQ Sampling 7 sites	WQ Sampling 4 sites
	~	2 O O	£ 2 7 8 . 2 2

## RECREATIONAL PROGRAM

#### Paddle Programs

- ↑ Three paddles on the Wood River and one bioluminescent paddle on Ninigret Pond were attended by 35 participants.
- ♣ Twelve folks learned to kayak at two full-day Introduction to Kayaking programs.
- ↑ The Southern New England Paddlers (SNEP) held three paddle training nights at the WPWA campus for 30 beginner paddlers.
- № WPWA hosted 72 family members of actively deployed military personnel during 2 kayaking programs for Operation Military Kids.
- ✓ WPWA provided kayaks and instruction for 62 students from RYSE School, Central Falls High School, and Gateway Health Programs.

## Other Recreational Programs

- ♣ Roger Masse lead 6 winter and spring birding walks for beginners.
- Litter Awareness, Opening Day of Trout Fishing Season at WPWA Campus
- Map and Compass workshop co-sponsored by Narragansett AMC.
- ♣ Fly Tying & Fly Fishing classes led by volunteers from WPWA, Trout Unlimited & Wood River Fly Fishing Club.

## **EDUCATION**

## Distinctive Programs

- ✓ WPWA instructed at two Facilitators Training Programs for Project WET and Project Wild along with RIDEM Aquatic Resource Education Program and Audubon Society of RI.
- 63 fifth-grade students from Curtis Corner Middle School spent a day with WPWA at the Arcadia Management Area for a field trip that included, kayaking, macro sampling, and hiking.

## **Other Education Programs**

- Chaired and judged the aquatic section for the RI Envirothon Competition
- Quest Montessori School classroom program
- Greene School water quality program
- Coventry High School field trip
- Chariho Middle School field trip
- Americorp field trip
- URI Hydrology class field trip
- URI Forestry Class
- Mentored a URI Coastal Fellows intern.

- Served as Science Mentor for GEMS-Net

#### **CAPACITY BUILDING**

## Wild and Scenic Designation

- In November 2011 Representatives Langevin (RI) and Courtney (CT) sponsored a bill, the Wood-Pawcatuck Watershed Protection Act, to have the National Parks Service conduct a three year study to determine if the Wood, Pawcatuck, Chipuxet, Beaver, and Queen Rivers qualify for designation as Wild and Scenic rivers. Congressman Langevin and D. Poyer gave testimony in support of the bill at the House Natural Resources Subcommittee on National Parks, Forests, and Public Lands in April 2012. The bill was heard by the full House on July 23, with Congressman Langevin again giving testimony in support of the bill. The House passed the bill unanimously.
- ✓ Senators Reed (RI), Whitehouse (RI), Blumental (CT) and Murphy (CT) introduced a companion bill in the Senate on July 23, 2012. The Senate did not take any action on the bill before the close of Congress at the end of the year.
- Representatives Langevin and Cicilline (RI) and Courtney (CT) have introduced H.R. 723 into the House in Februray, 2013. At the same time Senators Reed (RI), Whitehouse (RI), Blumental (CT) and Murphy (CT) introduced S349 into the Senate. Both bills have been approved to be heard in the appropriate committees and will be take-up this spring.

#### **COMMUNITY OUTREACH**

## Campus Renovations

## **Projects and Presentations**

- C. Fox gave two presentations regarding the Pawcatuck River Fish Passage Projects.
- ♣ D. Pover gave two presentations at the Land and Water Summit.
- ◆ D. Poyer gave a presentation for RICKA concerning the Wild and Scenic bill.
- Hosted Artists on Campus
- ↑ Attended the Bi-state Water Quality Workshop for Pawcatuck River & Little Narragansett Bay
- Created two River Trails Maps for the Wood River with the RI Blueways Alliance.
- Conducted blowdown clearing on the Wood and Pawcatuck Rivers with a grant from RI TAC.
- Attended a CUSH cleanup press event to talk about the Wild and Scenic bill.



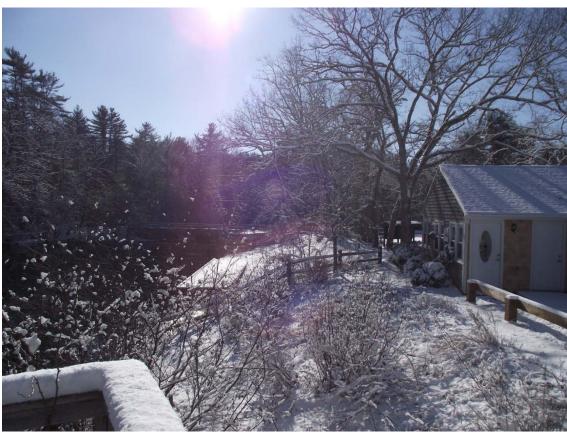
Mallard Family on the Wood River

## Committee and Board Affiliations

- Rhode Island Blueways Alliance
- ♣ Rhode Island Environmental Education Association
- ♣ Rhode Island Habitat Restoration Team
- ♣ Rhode Island River Restoration Working Group
- ♣ Rhode Island Trail Advisory Committee
- ↑ RIDEM Priorities Work Groups
- Watershed Counts Wetland Indicators Committee
- Wetland Restoration Strategy Committee

## Publications and Digital Media

- Volume 29, Numbers 1-4 of *Watershed* published, with a total distribution by mail of over 4000, and a global availability though our website.
- \* Upper and Lower Wood River Trail maps were published and are available for download at http://wpwa.org/paddling\_maps.htm or http://www.exploreri.org/waterTrails.php.



WPWA Campus in Winter

## TREASURER'S FINANCIAL REPORT

#### Dear WPWA Members,

Coordination of the Pawcatuck River dam removal projects requires that significant amounts of money pass through the organization. Last year, almost one-half million dollars were received and spent on river restoration work. One of the requirements of the project is the WPWA must undergo a thorough A-133 audit each year. Our auditors (YKSM, Westerly, RI) carefully examine our books and business practices. I am pleased to report that the audit of the 2011 financial year found everything to be in order and the business practices of the WPWA met or exceeded the requirement for an organization such as ours.

Financial records for 2012 are being completed and will be sent to the auditors shortly. The audit assessment is typically done in the summer with a report filed in August or September. Preliminary analysis of the 2012 books showed income to be what was expected in our annual budget. Expenses were slightly higher than what was budgeted for 2012 to cover personnel costs incurred in transitioning staff in the Program Coordinator position.

The Treasurer extends his sincere thanks to the WPWA accountant, Ms. Kristy Armstrong, for the care she has taken in tracking our finances and the diligence she has shown in keeping the Treasurer, Executive Director, and Board informed of our financial position at all times. Thanks also go to the staff of the WPWA for their excellent work in keeping program costs down and working within the budgets we establish for the organization.

Respectfully Submitted,

Peter August Treasurer

## WOOD-PAWCATUCK WATERSHED ASSOCIATION

## STATEMENTS OF FINANCIAL POSITION December 31, 2011\*

## **ASSETS**

Current assets	
Cash and cash equivalents	\$ 117,063
Accounts receivable	441,197
Inventory	8,051
Prepaid Insurance	<u>8,525</u>
Total current assets	574,836
Investments	206,039
Endowments held in trust	54,932
Property, plant and equipment, net	408,541
Other Assets	
Land held for conservation	113,000
Construction in progress	
Total other assets	113,000
TOTAL ASSETS	<u>\$1,357,348</u>
LIABILITIES AND NET ASSETS	
Current Liabilities	
Accounts payable	\$ 207,934
Accrued expenses	576
Total current liabilities	208,510
Net Assets	
Unrestricted	978,431
Temporarily restricted	41,680
Permanently restricted	128,727
Total net assets	1,148,838
TOTAL LIABILITIES AND NET ASSETS	<u>\$1,357,348</u>

<sup>\*</sup> Due to the volume of federal funds managed by WPWA in 2012 and audited financial statement is now required as part of our annual financial reporting. This more detailed report of funds, assets, policies and procedures is not yet available.