



BWA Recognizes MCCD Technical Staff at Annual Dinner

Monroe Co. Conservation District staff is on the front line protecting our streams

The highlight of every annual membership meeting of the Brodhead Watershed Association is the presentation of the Stream Saver Award. This is the greatest honor the BWA bestows on an individual for their efforts in preserving our water resources.

This year's annual meeting marked the 25th Anniversary of the BWA and befitting such an august occasion we honored a group, not an individual, the Monroe County Conservation District technical staff: Orianna Richards, John Motz, Victor Motts, Patricia Attardo and Drew Wagner. Collectively these individuals represent over a century of experience in implementing State Law and regulations enacted to conserve our soil and water resources. This important job in the Brodhead Watershed, where the streams are among the finest in the world, is too often thankless. Due to our watershed's special protection status, regulations for earth disturbance and stormwater management are more stringent than they are in

other parts of the state where unregulated activities in our past have in some cases left streams so impacted they no longer support life.

The Conservation District staff is committed to working with anyone interested in developing projects requiring earth disturbance, wetland impacts and stream encroachments to ensure they can achieve their economic goals while maintaining water quality.

Every watershed resident can be proud of their efforts. During the height of the real estate boom of the 80's, 90's and early 2000's, Monroe County saw tremendous development pressure. Our population doubled from 1980 to 2008 and yet our wetlands were protected and our watersheds still attain their designated uses. This can be directly attributed to State Laws and regulations that the Conservation District administer on or behalf.

Orianna, John, Victor, Trish and Drew the Brodhead Watershed Association appreciates all that you do, your integrity is unmatched and we are proud to acknowledge you as Exceptional Value Stream Savers – thank you.



L to R: Monroe County Conservation District technical staff employees Victor Motts, Orianna Richards, Trish Attardo, and John Motz. **Photo credit:** VIP Studios. View the entire photo gallery from the Annual Dinner online at www.vipstudiosinc.com.

“Every successful business owner I know understands that the success of their business depends on the quality of their employees. They understand that delivering a quality product or quality service to their customer depends on dedication and commitment of each and every employee.”

-Theresa Merli, former BWA Executive Director and current BWA board member, who presented the awards.



Thank You to the 25th Annual Dinner Sponsors



Charles & Virginia Kirkwood, Paula Heeschen, Sundance Vacations

BWA receives donation; honors new Adopt a Streamsite Sponsors



Paul Canevari of PPL Corporation presents a check for \$3,000 to John Smith, BWA President, in August.

Charles Unangst of Hanover Engineering is awarded an Adopt a Stream Steward plaque by John Smith in September.



Al Johnson, Owner of the Pocono Cheesecake Factory, holds his new Adopt a Streamsite Sponsor plaque, in October.



BWA Members Tour Sewage Treatment Plant

Photo, left: BWA Board members were hosted on a tour of the new Brodhead Creek Regional Authority Wastewater treatment plant along lower Main Street in Stroudsburg. Explaining plant operation are BCRA Executive Director Ken Brown, Dave Reder and Mark Hay. BWA members were impressed with both the state-of-the-art plant design and the operators' commitment to keeping the lower McMichael and Brodhead creeks clean. The plant discharges through the levee into McMichael Creek and treats wastewater from Stroudsburg, Stroud Township, and the Rte. 611 corridor through Hamilton and Pocono. That sewer line is currently being extended to the Kalahari Resort, in Tobyhanna Township.

President's Corner

The seasons are changing. Colors are at their peak. BWA members also showed their colors at our annual dinner, celebrating our 25th anniversary. It was a wonderful event, and I thank all of you that made it happen. Its not often you get to celebrate a big anniversary, and honor a group of dedicated people (the technical staff at Monroe County Conservation District) that have helped keep our waters so pristine. It was a fun evening to cap twenty five years of protecting water resources... but there is plenty more to do. How about helping us do more with a year-end gift? We are still writing grants, running Streamwatch, organizing walks, paddles, and educational tours, all to make the watershed better. All this takes time and money. Look at what we have accomplished with your help in the past. We have done our best for the watershed. Join us and help us reach new goals in the year ahead.

John Smith

New members

The BWA happily welcomes our newest members!

New Adopt a Stream Steward:

Hanover Engineering Associates

New Adopt a Stream Site Sponsors:

Pocono Cheesecake Factory, Charles & Shelly Unangst / Buskirk

New Members:

Camille Breslauer, Robert Jordan, Edward & Mary Erm, Timothy Cutler, Russell Thrall, William Rothfuss, Ralph Vecchio, Judy Dempewolff, Richard & Kathy Leies, Phillip & Jeanne Riley, Tom Van Zandt, Jim Lambert, Dawson Smith, Fran Cegelka, Jenny Collier, Norma Moreiko, Mary Frances Kresge, Kimberly Eddy Larkin, Claudette Williams, Lonnie & Jody Allbaugh

Not a member yet? Join here:
www.brodheadwatershed.org

Find us and follow us on [Twitter](#), [Facebook](#) and [Instagram](#)!

DESCRIPTION	CATHER:	No Samples			High Count							High Count	No Samples			High Count		High Count	
		16-Jun	18-Jun	23-Jun	25-Jun	2-Jul	7-Jul	10-Jul	11-Jul	14-Jul	Geomet ric Mean	14-Jul	16-Jul	21-Jul	23-Jul	28-Jul	30-Jul	Geomet ric Mean	
Brodhead Trib																			
Brodhead Below 191 Bride at Pinebrook	BWBRO 1	94	31	23.5	37	20					~	34.75	22	800	18	22		8	35.42
Cranberry Run Trib Confluence	BWCRO 1	76	104	100	200	80					~	104.81	137	249	60	22		37	69.88
Brodhead Below Pinebrook STP	BWBRO 3	33	29	10	1800	14					~	47.47	20	900	58	18		16	49.62
Brodhead Above Sambo	BWBRO 4	48	29	16	52	16					~	28.42	42	1300	42	18		42	70.44
Sambo Creek Trib Confluence	BWSC0 1	200	225	16	165	88					~	100.89	249	1300	194	145		58	221.08
Brodhead Below Sambo	NFWFB R01				25	14	13.5	1100	16		~	38.37	18	382	25	200		25.5	61.46
Dansbury Trib Confluence	BWDPO 1	1400	2300	118	2300	1500					~	1055.63	2100	18400	1500	700		700	1952.83
Brodhead Below Dansbury E.burg Side	NFWFB R02				35	800	190	700	157		~	225.62	600	500	112	225		237	282.26
Brodhead Below Dansbury S.burg Side	NFWFB R03					147	96	66	74	35		75.25	~	500	58	163	114	74	131.87
Brodhead Below E.burg STP S.burg Side	NFWFB R04				110	125	71	1000	1400		~	267.39	800	3200	114	98		60	279.84
Brodhead Below E.burg STP E.burg side	NFWFB R05					157	63	600	1100	500		318.24	~	1400	68	78	149	65	148.38
Impaired	EP Funde ant Funde																		

Fecal coliform results for Lower Brodhead testing, summer 2014. Volunteers collected samples and delivered to labs to test for fecal coliform levels. Lab costs were paid by DEP funding (in green) and National Fish and Wildlife Foundation grant funding (blue). High counts (red) mean the water is not safe for swimming or water sports.

High Fecal Coliform Levels Still Impairing Local Creeks

By Edie Stevens

The BWA has completed data collection this summer as part of the \$62,804 grant by the National Fish and Wildlife Foundation (NFWF) to address water quality problems in the Lower Brodhead watershed.

Water testing for fecal coliform during the summers of 2012 and 2013 by the PA Department of Environmental Protection (DEP) determined that the lower Brodhead and the lower McMichael creeks are not safe for recreational use due to high levels of fecal coliform.

BWA's recent testing this summer confirmed that fecal coliform bacteria, which is found in the digestive system of warm blooded animals, is still a problem.

Tests on the Lower Brodhead found high levels of the bacteria at the Dansbury Tributary Confluence, below Dansbury Park on the East Stroudsburg side, and below the East Stroudsburg Sewage Treatment Plant on the Stroudsburg side.

Tests on the Lower McMichael showed high levels at nearly every site during July and lower levels in August. The Big Meadow Run tribu-

tary to the Pocono creek, below Rte. 611 and the Arlington Diner, had high levels throughout the summer.

The BWA's Creek Walkers walked the impaired streams this summer, looking for inputs that could be responsible for the high levels. Their findings have yet to be analyzed. The grant is funded until 2016, so more testing is underway, with the final goal of making the streams safe for swimming again.

More information and maps of the impaired stream can be found at <http://www.brodheadwatershed.org/2012FecalColiformmonitoring.html>

Forevergreen Adds Plants with a Purpose



L to R: 1) Raymond Macik prepares holes for the oak saplings near the cell tower that hosts an eagle's nest. 2) Lori Colgan, Peggy Pugh and Fran Kresge plant the rain garden at ForEvergreen Nature Preserve. Stroud Township workers prepared the site, installed the fence and purchased the first group of plants. 3) Steven Foster install fence to protect the oak saplings from browsing deer. Native plants support local ecosystems and filter water runoff from the parking lot and building.

Streamwatch Spreads North

Jackie Speicher, left, instructs Lori McKean of the National Forest Service on the use of the pH indicator kit at Grey Towers in Milford. The BWA has been selected to spread the value of water quality monitoring, and will train organizations in the upper Delaware River watershed on our Streamwatch protocols, as part of a Nature Conservancy contract to protect the headwaters of the Delaware River.



Duffy, Ferrari, Folio & Salmon Join Board

The BWA's 25th Annual Dinner Celebration honored Monroe County Conservation District employees at the Chateau at Camelback this year. During the event's annual business meeting, new board members Sally Duffy, Fran Ferrari, Dr. Catherine Folio and Tom Salmon were elected. The board of directors is responsible for ensuring that the BWA carries out its mission to protect and preserve the watershed.

Sally Duffy is a conservationist with a BA in Environmental



L to R: Fran Ferrari, Cathy Folio, and Sally Duffy at the BWA's 25th Annual Dinner Celebration.

Studies from East Stroudsburg University and promotes the local Greenway and open space groups as well as the BWA.

Frances Ferrari is a self-employed CPA in Tannersville specializing in individual taxes and estate and trust tax and administration and is a volunteer Streamwatcher.

Dr. Catherine Folio is also a volunteer Streamwatcher. She retired from the higher education field and moved to the Poconos to grow organic blackberries.

Tom Salmon is one of the BWA's original charter members and Streamwatchers. Tom is now Streamwatching with his daughter, Teri.

Board members reelected to the board were Amy Albert, Don Baylor, Gary Bloss, Lori Colgan, Rob Sedwin, Dick Shackleton, Edie Stevens and Doug Swift.

BWA Fall Calendar

For more information on all events and workshops, please visit www.brodheadwatershed.org.

Saturday, November 1 at 9 am
Wastewater Treatment Bus Tour

Sunday, November 9 at 1 pm
Where in the Watershed Walk #9 - Brodhead Canyon Redux and Glen Park

Sunday, December 10 at 1 pm
Where in the Watershed Walk #10 - Forevergreen Preserve on the Brodhead

Sunday, January 11 at 1 pm
Where in the Watershed Walk #11 - Wolf Swamp and Deep Lake Winter Wander

The Brodhead Watershed Association is a non-profit organization formed in 1989 to promote and preserve the environment of the Brodhead watershed and the water quality of the Brodhead, Cherry, Marshalls, McMichael, Paradise and Pocono creeks and their tributaries.

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