



WATERSHED MOMENTS



2019 Carroll County Forestry Board - Spring Thaw Workshop

Saturday March 23, 2019

Wesley Freedom United Methodist Church

961 Johnsville Rd. Sykesville, MD 21784

(on the corner of Johnsville Rd. & Liberty Rd.)

UNIVERSITY OF
MARYLAND
EXTENSION

MASTER
GARDENER

Proceeds from this Workshop will be used to provide tuition for two Maryland high school students to attend the 2019 Natural Resources Careers Camp (NRCC) in Garrett County.

Agenda

8:00 – Registration/ Continental Breakfast / View Exhibits

8:30 -8:45: – Welcome: Cheryle Franceschi- Carroll County Forestry Board Chairman
Chris Spaur – Workshop Committee Chairman
Chuck Lewis - Maryland Tree Farm Committee

8:45 –9:15 What Caused the Great Ellicott City Floods? – The Role of Watershed Conditions and Storm Event Severity in Flood Risk Management. *Craig Thomas, Hydrologist, US Army Corps of Engineers.*

Craig will provide an overview of precipitation trends, identify flood prone areas in the Baltimore/Washington corridor and provide an overview of how flood risk is managed. He will explain the causes of recent severe flooding in Ellicott City and potential remedies under consideration. Craig will offer some things landowners can do to help reduce flood risk.

9:15- 9:45 Stormwater Implementation Strategies to Improve Water Quality – Byron Madigan, Water Resources Supervisor, Carroll County Bureau of Resource Management. Byron will explain the process, strategies and results of implementing stormwater management practices. He will provide examples of where these management efforts have shown proven results in improving water quality through both reduced stream bank erosion and treatment of impervious cover within individual catchments.

9:45-10:00 Break

10:00-10:45 Homeowner-Scale Stormwater Management Practices – Kelsey Brooks, Regional Watershed Restoration Specialist, Sea Grant- University of Maryland Extension. Kelsey will cover rain gardens and other strategies homeowners and private landowners can employ to manage stormwater runoff and the cumulative positive impact these practices can have on local stream and Chesapeake Bay water quality.

10:45— 11:15 Do Trees Along Streams Really Matter? Results of Maryland’s Long-term Forest Stream Buffer Study - Dr. Anne Hairston-Strang, Forest Hydrologist and Associate Director, Maryland Department of Natural Resources Forest Service.

Dr. Hairston-Strang will present the results of the Maryland Tree Growth, Shading, and Stream Health study 15 years after the establishment of riparian forest buffers. She will present data that demonstrates how the ecosystem services of these planted streamside forests increase over time.

11:15-11:45 Local Trout Waters – Mark Staley, Fisheries Biologist, Maryland Department of Natural Resources.

Mark has worked on Central Maryland trout streams for 30 years. His presentation will include the life history and habitat requirements of trout and locations of streams in Carroll County that support trout populations. Mark will provide the results of recent biological stream surveys, including information from the Upper Gunpowder Watershed Brook Trout Radio Telemetry project.

11:45 -12:15 Tree Care for Unusual Times – Repairing damage, recognizing warning signs and treating trees to be more resilient to extreme weather events. Paul Mullins, Certified Licensed Arborist, Bartlett Tree Company.

Weather extremes can have an impact on tree health and structural integrity. Paul will provide recommendations on how to avoid, recognize and treat potential tree problems associated with extreme weather conditions. He will cover topics such as pruning, insects and diseases, repairing ice storm damage and recognizing tree root problems.

12:15-1:15—Lunch. Time to mingle and visit exhibits

1:15 – 2:00 The Deer & Tick Equation –USDA-Areawide Tick Control Project. – Dr. Andrew Li, PhD, Research Entomologist, USDA ARS Invasive Insect Bio-control and Behavior Lab, Beltsville, MD

Patrick Roden-Reynolds, Master's Student, Ecosystem Health and Behavior Sciences, University of Maryland.

Lyme disease is the most important vector-borne disease affecting humans in the United States. The successful control of black-legged ticks in the environment can reduce the risk of tick bite and the transmission of Lyme disease. Dr. Li will present an overview of a five-year, area-wide tick integrated pest management project initiated by the USDA ARS. The project goal is to develop and validate tick management tools and strategies that can be adopted by communities throughout the Northeastern US., to achieve sustainable suppression of black-legged tick populations.

Patrick Roden-Reynolds will follow-up with the wildlife components of the tick control project, which focuses on developing practical tick integrated control methods and guidelines targeting rodents and deer, the primary hosts of the black-legged tick. Two host-targeted control methods are currently being deployed using a safe and environment-friendly bio-pesticide.

2:00 - 2:15 –Break - Last chance for raffle tickets!

2:15 –3:00 – Bees Need Trees and Trees Need Bees. Steve McDaniel, chemist, Master Beekeeper, nature photographer, past president of the Maryland State Beekeepers Association and Carroll County Forestry Board member.

Bees and trees have co-evolved over millions of years to be dependent on each other. Bees depend on trees for pollen and nectar, trees depend on bees for pollination, and we depend on both for our food. You can help bees by planting pollinator-friendly trees and avoiding certain pesticides. Steve will help you make good choices by providing recommendations on the best tree species to plant to improve habitat for pollinators and ways to protect honeybees and other native bees from pesticide exposure.

3:00 - Closing Remarks, Evaluation and Raffle Results –Sign up for your continuing education credits before you leave.

WATERSHED MOMENTS – Approved Continuing Education Credits

Maryland Department of Agriculture Commercial/Public Agency Pesticide: 4 credits in category 2(forest), 3A(Ornamental –Exterior), 7A(General Pest Control).

International Society of Arboriculture CEU'S – Cert. Arborist:4.75, BCMA-Science:0.5, BCMA-Mgt:2.25, BCMA-Practice:2.0, TW Climber Spec.:4.75, Utility Spec.:4.75, TW Aerial Lift Spec.:4.75, Municipal Spec.:4.75

Society of American Foresters – CFE Category 1-CF: 4.5 credits

Maryland Department of Natural Resources Licensed Tree Expert: 2.5 credits

UM Master Gardeners: 5 hours Approved

UM Master Naturalists: 6 hours Approved

REGISTRATION (Deadline: March 15, 2019)

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Workshop Fee: \$50./person or \$75./couple(one address). Includes continental breakfast, lunch, and course materials.

On-Line Registration & credit card payment: <https://form.jotform.com/83506042258151>

Mail-in Registration: complete the registration form below and send with a check to: Carroll County Forestry Board Workshop. 328-A East Nicodemus Road, Westminster, MD 21157.

www.carrollcountyforestryboard.org

Please make checks payable to Carroll County Forestry Board.

WATERSHED MOMENTS- Carroll County Forestry Board Spring-Thaw Workshop Registration	
\$50./person or \$75./couple.	
Name(s):	Vegetarian Regular (circle one)
	Vegetarian Regular (circle one)
Address:	
Phone:	Email:

For more information call the Carroll County Forestry Board at 410-848-9290, or email Donna Lee Davis at donnal.davis@maryland.gov