



3525 Conowingo Road  
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(410) 638 - 4828  
[www.harfordscd.org](http://www.harfordscd.org)

## UPCOMING EVENTS

### October 10

Board of Supervisors  
Meeting

### October 12

Annual Cooperator's  
Dinner

### November 14

Board of Supervisors  
Meeting

### November 17

FOREST & FARMLAND  
Preservation Programs  
Eligibility & Benefit  
Information for Landowners  
Meeting

### December 12

Board of Supervisors  
Meeting

### If you would like to:

- Receive a digital version of this newsletter or
- Would like to submit an article or
- Have an idea for an article...

Please contact the Editor,  
**Leslie Zink**, at  
[leslie.zink@maryland.gov](mailto:leslie.zink@maryland.gov)

# The Harford Resource

A Publication of the Harford Soil Conservation District

VOLUME 2, ISSUE 3

OCTOBER 1, 2018

## Best Management Practices Spotlight: Stream and Wetland Restoration

By Bill Tharpe

What comes to mind when you hear the phrase Agricultural Best Management Practices (BMPs)? To some it might be grassed waterways, stream crossings and watering troughs; for others it could be a waste storage structure, heavy use area protection and cover crops. These traditional BMPs have been installed for decades by farmers in Harford County and across the State of Maryland. With an emphasis on reducing nutrient and sediment runoff within the Chesapeake Bay Watershed, agricultural landowners and producers are turning to additional BMPs that contribute to a cleaner Bay.



For the Harford Soil Conservation District, Stream and Wetland Restoration is a fairly new BMP recommendation. In the past, the thought was just stay OUT of those areas. Over the last five years, the focus has changed from looking past those natural areas to understanding how to blend the farming operation with the natural environment.

Stream restorations combine a set of engineering and construction techniques (methods) to protect adjacent properties and public infrastructure from potential damage caused by excessive out of stream bank flooding, stream bank erosion, and degradation of natural aquatic ecosystems. Stream restoration is meant to safely convey flow within a channel and protect the banks from further erosion. The general concept is represented as a dual channel system as illustrated (Figure 1).

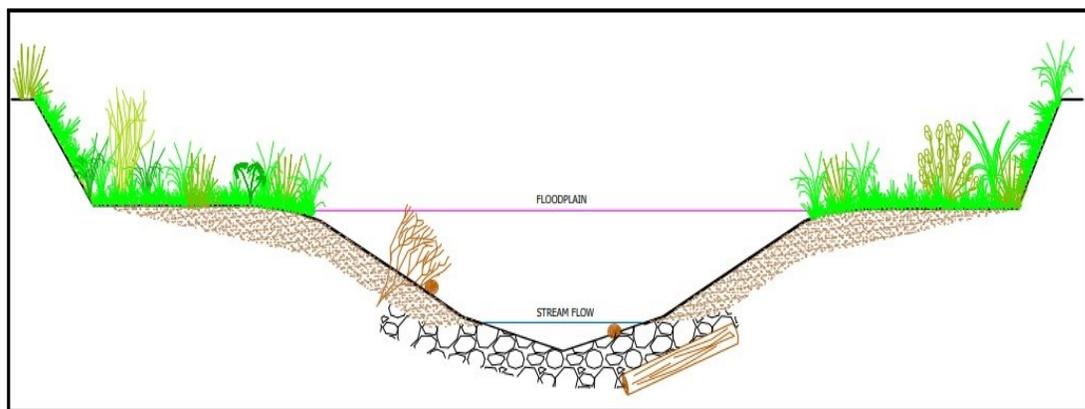


Figure 1 - Dual Channel Stream Channel

(Continued on Page 2)

## Stream and Wetland Restoration *Continued...*



The center of the channel conveys the typical base flow of the stream and during a storm event the expanded channel/floodplain is designed to handle the increased flow. Reconstructing or realigning the stream channel alone is not stream restoration. In-channel practices are designed to assist with reducing stream velocity and controlling the grade changes of the streambed. Vegetative stabilization is truly the final key to a successful stream restoration project. Whether using trees, shrubs or warm season grasses, the important element is a healthy root system that binds the soil of the stream banks and anchors the structural practices installed within the

stream channel. This approach has provided enhanced aquatic wildlife habitat and protected the stream banks for over 30,000 linear feet (5.6+ miles) within the agricultural community in Harford County since 2013.

Wetland restoration is recognized as reestablishing the hydrology, soil characteristics, native vegetation and habitat that closely reflects an area's original natural condition. Wetlands are the final filtering mechanism before runoff reaches the streams and waterways. Whether natural or constructed, wetlands reduce the nutrient levels from storm runoff by storing water to allow those nutrients to be utilized by the vegetation or infiltrate into the ground. Wetland restoration can appear in many forms from subsurface saturation of soils to shallow water development areas to containing out-of-bank stream flow. The objective of the wetland, such as pollinator and waterfowl habitat or runoff control, will determine the best suited design approach. Harford SCD and our partners have assisted landowners with implementing over 40 acres of wetland restoration since 2013, reducing nutrients, specifically nitrogen and phosphorus, from reaching the Chesapeake Bay.

Stream and wetland restoration projects are usually accompanied by other traditional BMP's, specifically stream exclusion fencing and stream crossings. These practices assist with the management of the farming operation and protect the restoration area from the day-to-day activities of the farm.

Conservation or Restoration – moving forward the Harford SCD is willing to work with landowners and producers to reach the goals for improved water quality of the Chesapeake Bay and a workable system for the farming operation to thrive.

For more information on **Stream and Wetland Restoration**, contact the Harford Soil Conservation District at **(410) 638-4828**.

## Say Hello to Our Two New Associate Supervisors!



*Amy Crowl*

The Harford Soil Conservation District is pleased to announce the addition of two new Associate Supervisors to our Board: *Amy Crowl*, and *Christen Sullivan*.

The Board and Staff look forward to working with Amy and Christen to advance the District's conservation efforts and our educational outreach!



*Christen Sullivan*

# Student's Corner

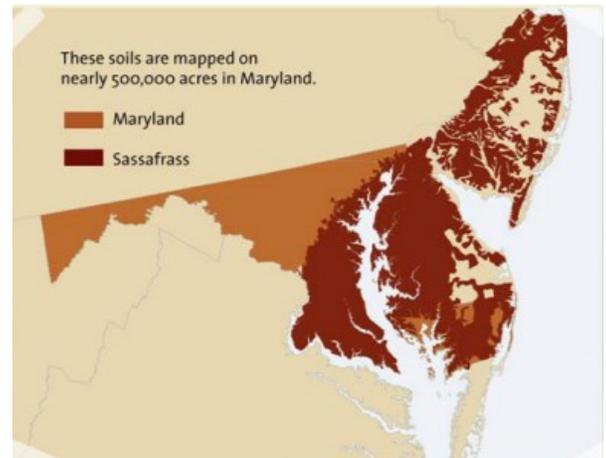
## Did You Know That Maryland Has a State Soil?

A state soil is a soil that has special significance to a particular state. Each state in the United States has selected a state soil, twenty of which have been legislatively established. These "Official State Soils" share the same level of distinction as official state flowers and birds. The following information comes from the U.S. Department of Agriculture/Natural Resources Conservation Service and the Soil Science Society of America.

### MARYLAND STATE SOIL - SASSAFRAS

Established in 1901, the Sassafras series was one of the first soil series in the early days of soil survey activities in the U.S. It is one of the oldest soil series in the U.S. It is designated as a Benchmark and Hall of Fame soil series, which is a recognition of its historical significance in the evolution of soil science in the U.S. These soils are mapped on nearly 500,000 acres in Maryland.

The Sassafras series consists of very deep, well drained, moderately permeable soils formed in sandy marine and old alluvial sediments of the Coastal Plain. These soils are categorized as prime farmland, which means that they are among the most productive soils in the state for agriculture and forestry, in addition to being one of the soils best suited to construction, onsite effluent disposal, and recreational development.



For this and other information about State Soils visit:

<https://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/soils/edu/?cid=STELPRDB1236841>,

and the following PDF, from the Soil Science Society of America:

<https://www.soils4teachers.org/files/s4t/k12outreach/md-state-soil-booklet.pdf>.

HARFORD COUNTY

# FOREST & FARMLAND PRESERVATION PROGRAMS

Eligibility & Benefit Information for Landowners



**BARRY GLASSMAN**  
COUNTY EXECUTIVE

**QUESTIONS?**

kkirkwood@harfordlandtrust.org | 410.836.2103  
wdamoss@harfordcountymd.gov | 410.638.3235



**Saturday**  
**November 17, 2018**

**8:30 - 11:30 a.m.**

**Harford Community College**  
**Chesapeake Center**  
**401 Thomas Run Road, Bel Air**

**Light refreshments provided**

If you own 25 or more acres of land in Harford County, or land contiguous with other preserved property...

#### LEARN HOW YOU CAN:

- Receive potential tax-free payments and/or tax credits without selling your land
- Protect your forests and farmland from residential or commercial development in perpetuity
- Retain property ownership for future generations

Topics will include eligibility criteria, financial benefits, standard easement terms, programs, processes & timelines.

# Harford Community College Celebrates Harford's Farms and Food

By Sharon Stowers, Ph.D., RDN

Harford County has a rich agricultural and food history from its Native American roots and the bounty of the Susquehanna and Chesapeake, to its fertile land and once renowned canning industry. Moreover, Harford County has been at the forefront in measures to protect its farmland for future generations. However, the county is rapidly becoming an exurb of Baltimore and many community residents are not aware of the central role Harford County played, and continues to play, as an agricultural and food center in Maryland.



Sharon is delighted by Harman's Farm Market squash.

As part of a new Scholar-in-Residence initiative, Harford Community College is reaching out to agricultural producers and consumers to research and promote dialogue about Harford County's food system. The project, *Gathering at the Community Table: Celebrating Harford's Farms and Food*, is directed by Sharon Stowers, an HCC faculty member and nutritional anthropologist.

This year-long initiative includes community-based research with both agricultural producers and consumers, as well as exciting programming for both farm families and the public. Already, the project has brought together a working group of county agricultural stakeholders to dialogue and plan for several initiatives partnering with farmers to promote what they do for our community. Our work group has already developed an Agricultural Awareness GIS Project, called "Harford Home Grown." Also, we will hold a Symposium on March 16, 2019 for the agricultural producers and the public on current issues facing farming and our changing food preferences.

## Harford County's "Home Grown" App

Harford Community College, in collaboration with Harford County's Office of Agriculture, Harford Soil Conservation District, Harford County's Office of Community and Economic Development, and North Harford High School, is facilitating on an exciting project to help farmers promote their products to the public. The public will be able to download a free app of a Harford County map that will display icons of participating agricultural producers. The public will click on the icon and information on a particular farm and where to purchase their products will be displayed. Ellie Daney, a county resident and now Virginia Tech Graduate Student, helped get the project rolling this summer. We are in the information collecting phase, so if you, or



someone you know, would like to be included in this app, you can obtain an application on the Harford Soil Conservation District's webpage <http://harfordscd.org/index.html>, call (410) 638-4828, or visit the new Harford County Agricultural Center, 3525 Conowingo Road, Street, MD 21154.

Whether you are an agricultural producer or just love to eat, we welcome you to participate in this project! Look for these and other upcoming events in future newsletters. If you would like more information about the project or any of the events, please contact:

Sharon at [stowers@harford.edu](mailto:stowers@harford.edu).

North Harford High School's, Greg Murrell, and Senior, Tabitha Sefa, who has completed two years of GIS training as part of the STARS program and is a Geospatial Technician I.

## Gathering at the Community Table Programming

### **Kerry Dunnigton Celebrates Harford's Farms and Food**

**Saturday, October 13, 2018 at 3:00 PM at Harford Community College, Edgewood Hall, Room 132**

Kerry is local and national award-winning cookbook author, and she will talk about "buying local" and demonstrate a recipe from her newest book, *The Seasonal Kitchen*.

### **Family Movie: *Ratatouille***

**Saturday, November 17, 2018 at 2:00 PM at Harford Community College, Edgewood Hall, Room 132**

Start your Thanksgiving week with some comic instruction on how to become a chef, even if you are a rodent! All ages are welcome, but children under the age of 12 need to be accompanied by an adult.

### **A Symposium for Harford County Farmers and the Community**

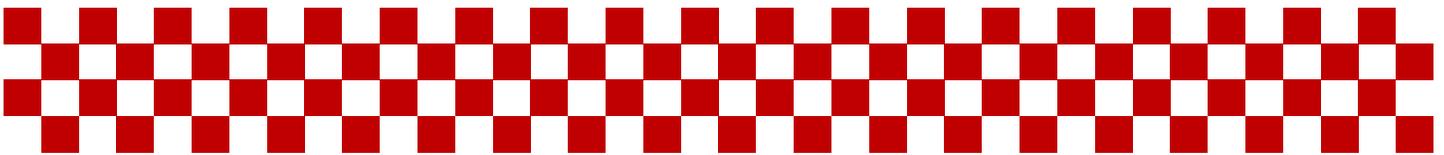
**Saturday, March 16, 2019 from 8:30 AM-1:30 PM at Harford Community College, Edgewood Hall, Room 132**

As a community of eaters, we are all invested in the success of our local farms! Come hear our farmers and agricultural specialists talk about issues facing Harford County agricultural producers and the changing food preferences of the public. This event will require registration. Look for more details in upcoming newsletters.

### **"Diced! Food Fight for Our Farmers"**

**Monday, June 3, 2019, at the Vandiver Inn, Havre de Grace**

Come watch our local chefs compete to make the best farm fresh meal from local ingredients. This is a fundraiser, so tickets will be required. Details coming soon!



## Meet Dave Doran ... Member, Harford SCD Board of Supervisors



Dave Doran graduated high school in Pompano Beach, Florida. He moved to Maryland in 1964 and worked at Bethlehem Steel for 40 years as a Mechanical Supervisor.

During this time, he started a small farm in Harford County raising Hereford beef cattle. In 2012, he and his son, Mike, bought the Kerr Farm, now known as Highview Farms. The farm grows corn, soybeans, barley and hay on 200 acres of owned and rented ground. They also have approximately 40 head of beef cattle, mostly Charolais. They grind all of their cattle feed on site. Much of their hay and straw is sold locally as well as out of state. One of Dave's favorite things to do is working in the farm shop where he repairs, fabricates and services their equipment.

Dave is a member of Harford County Farm Bureau and the Harford SCD Board of Supervisors. After completing several water quality improvements on the farm, Dave feels strongly that he can help other landowners resolve similar issues.

Dave and his wife, Carol, have two sons; Mike who operates the farm with him, and Tom who is a Navy pilot. He has two grandchildren; Kimmi, a junior at Kansas State majoring in animal science, and Zach, a senior in high school, presently working at Clear Meadow Farms.

# Equine Etiquette *by Yvonne Roe*

## Horse Manure Removal Service and Bedding for the Small Equine Facility

The most frequent question I receive is, "Do you know of horse manure disposal/hauling services?" This is quite a sensitive topic on multiple levels.

Unfortunately, there is not a receiving center/location in Harford County. Discussions have been held with University of Maryland Extension experts, Harford County officials, and landfill management trying to come up with a solution on how to handle the horse manure and bedding issue.

Please consult our "Horse Manure Removal Service" list below. This list is also posted on our website at [www.harfordscd.org](http://www.harfordscd.org). We will continue the research and keep the list updated.



### Equi-Roll Transport

761 Huntington Place  
Lancaster, PA, 17601  
*Serving PA, MD, DE, NJ and Northern VA*  
Contact: Mick or Christine  
Phone: (717) 629-8551  
or (717) 405-2957  
Email: [equirolltransport@hotmail.com](mailto:equirolltransport@hotmail.com)  
Website: [www.equirolltransport.com](http://www.equirolltransport.com)

- 7 cubic yard, hunter green roll-off container (10 feet long, 6 1/2 feet wide and 4 feet high ) on a hard level surface of your property
- Bedding: bulk sawdust, baled shavings, and bagged pellets

### Pine View Enterprises, Inc.

350 Nottingham Road  
Nottingham, PA 19362  
*Serving PA, MD, DE, NJ, NY, and Northern VA*  
Contact: Justin or Dayton Kreider,  
or Susan Glass  
Phone: (717) 529-2855  
Email: [susanglass.pineview@comcast.net](mailto:susanglass.pineview@comcast.net)  
Website: [www.pineviewtrucking.com](http://www.pineviewtrucking.com)

- Manure removal service, 15 and 30 cubic yard containers
- Bedding products: hardwood sawdust, premium pine shavings (bulk and bales), kiln dried sawdust, recycled shavings/sawdust and wood pellets
- Hauled to compost facilities

### Fastrak Express, Inc.

288 Stevens Road  
Rising Sun, MD 21911  
*Serving MD, PA, DE, NJ, NY, VA, WV, and OH*  
Contact: Rob Jordan  
Phone: (410) 658-0520  
Website: [www.fastrakexpress.com](http://www.fastrakexpress.com)

- Straw-bedded horse manure only
- Minimum 60 cubic yards (equivalent of 12 horses)
- Hauled to a mushroom compost center in PA

### Briar Patch Achers (Equine Services)

5494 Clymer Road  
Quakertown, PA 18951  
*Serving PA, MD, and Northern VA*  
Contact: Rob Jagger  
Phone: (215) 536-6249  
Email: [briarpony@verizon.net](mailto:briarpony@verizon.net)  
Website: [www.briarpatchachers.com/](http://www.briarpatchachers.com/)

- For manure removal, rubber track loader and a truck with a roll-off type container
- Hauling to the nearest certified compost center
- Take most bedding material(s): straw, shredded straw, shavings, pelleted wood beddings, and sawdust

Next year will mark the **75th Anniversary** of the Harford Soil Conservation District. If you have been a part of our history and would like to participate in our **Planning Committee**, we would love to hear from you!



We are also looking for photos that relate to the District, photos of former Board Members, funny stories, or memories you would like to share about the District. We will be including a selection of these in our printed program.

If you are interested in the Planning Committee, please contact **Bill Tharpe** at **(410) 638 - 4828, Ext. 5227**. Submit your photos and/or stories to **Leslie Zink** at [leslie.zink@maryland.gov](mailto:leslie.zink@maryland.gov). You may also mail them, or drop them off at our office in the Harford County Agriculture Center. Photos can be copied and the originals returned to you.

**We look forward to celebrating 75 years with all of you!**

*On behalf of our partners at the University of Maryland Extension...*



The University of Maryland Extension (UME) is hiring for an Area Extension Director. The Area Extension Director will administratively serve as the leader and director of three county offices located within the Northern Maryland Cluster, which includes Harford, Baltimore, and Carroll. The Area Extension Director will provide day to day supervision and administration within each of the county offices by serving as liaison with county government; providing logistical coordination for local programming, management of all fiscal, personnel and facilities operations at the local level, as well as providing leadership for public relations/marketing efforts. This individual will be the key communication link between the county government and the UME Administration.

For more information on this position, go to <https://ejobs.umd.edu/postings/63307>.

## Agricultural Conservation Leasing Workshops

Why are conservation practices less common on leased farmland?

*Lack of communication • Lack of knowledge • Lack of security in the rental relationship*

These train-the-trainer workshops will give attendees the knowledge, leasing tools, and confidence to educate and advise landowners and farmers how to overcome the challenges of implementing conservation practices on leased farm land. **Interested landowners and farmers are encouraged to attend!**

More information and registration available at: <https://agresearch.umd.edu/agroecol>

For questions, translation assistance, and/or special accommodations contact:

Nancy Nunn, 410-827-8056 or [nunn@umd.edu](mailto:nunn@umd.edu).

Intro Webinar	Lower Shore	Mid-Shore	Southern MD	Western MD	Central MD
11/15/18	12/10/18	1/8/19	1/17/19	1/23/19	1/28/19
8 a.m. – 3 p.m.	8 a.m. – 3 p.m.	8 am – 3 pm	8 am – 3 pm	8 am – 3 pm	8 am – 3 pm
12:00.-1:00 p.m.	31901 Tri-County Way Salisbury, Maryland 21804	Chesapeake College HPAC 127, 1000 College Circle Wye Mills, MD 21679	Charles County Soil Conservation District 4200 Gardiner Rd Waldorf, MD 20601	Frederick County Extension Office 330 Montevue Ln Frederick, MD 21702	Baltimore County Ag Center Cockeysville, MD, 21030



This project is supported by the Northeast Sustainable Agriculture Research and Education (SARE) program. SARE is a program of the National Institute of Food and Agriculture, U.S. Department of Agriculture.



UNIVERSITY OF MARYLAND  
**AGRICULTURE LAW  
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Harvey H. Houston-Closter, Inc.  
AGRO-ECOLOGY, INC.



**Harford Soil Conservation District**  
3525 Conowingo Road, Suite 500  
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(410) 638 - 4868

Find Us on the Web at [www.harfordscd.org](http://www.harfordscd.org)



## UNIVERSITY OF MARYLAND EXTENSION

### *Upcoming Events*

**October 9, 9 - 11 AM**

Pesticide Training for New Applicators  
Harford County Extension Office  
(Exam to be given on October 16, 9 - 11 AM)

**October 16, 1 - 3 PM**

Private Applicator Pesticide Recertification Training  
Harford County Extension Office

**November 2 & 3**

Beef Producers Short-Course  
Western Maryland Research & Education Center  
Keedysville, MD

**December 6**

Northern Maryland Field Crops Day  
Friendly Farm Restaurant  
Upperco, MD

**For more information, call  
Harford County Extension at (410) 638 - 3255**

## 2018 - 2019 Cover Crop Program

### Fall Certification Happening Now!

Farmers must certify their cover crop with their soil conservation district within one week of planting and no later than  
**November 13, 2018.**

**Call ahead to insure District staff are available to assist you at (410) 638 - 4828.**

