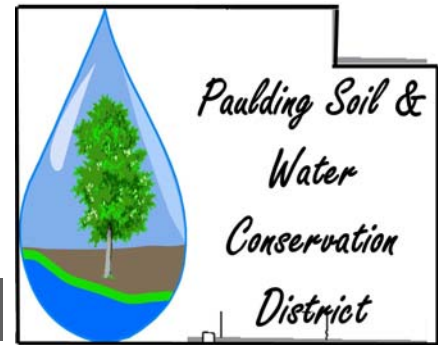


# SPOTLIGHT ON CONSERVATION

Paulding Soil & Water Conservation District Newsletter

Spring 2018



## Paulding SWCD & Paulding Schools partner for Tree Planting Project!

The Paulding Soil & Water Conservation District is proud to partner with Paulding Exempted Village Schools on a multi-year tree planting and landscaping project at the Paulding School campus! We were approached by Paulding Elementary Principal Greg Puthoff about planting a windbreak for their playground and the project blossomed from there to include trees all around the school grounds. Trees will not only help to serve as a windbreak but to help beautify the school grounds and provide students with a cool, inviting place to find some shade during their time outdoors! As part of this project, wildflower plots will also be placed in spots too narrow for trees, in an attempt to provide habitat and shelter for our ever important pollinators!



Trees are currently being cared for by students in the Greenhouse Management Class in the Paulding High School Agricultural Education program at the school greenhouse. Once the tree seedlings grow, the Paulding Soil & Water Conservation District staff, Paulding FFA students, and students from Paulding Schools will place the tree seedlings for the first year around the school according to the project layout. Plans are to work our way around the Paulding campus annually in an effort to promote and educate students on the importance of trees, the services they provide, and the importance of environmental conservation. Stay tuned as there are many more great things to come!

The Paulding SWCD Board & Staff would like to thank the Paulding County Commissioners for their continued support of local conservation. Funding for the Paulding SWCD begins at the County Level where appropriations are matched by the State through the Ohio Department of Agriculture-Division of Soil & Water Resources.

### Inside this issue

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- 2018 Paulding County Fair
- Nature Center Cleanup
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- A Day Outdoors!
- Conservation Note of the Month
- New Employee

### Paulding Soil & Water Conservation District

900 Fairground Dr. Ste. B  
Paulding, OH 45879

Phone: 419-399-4771

Email:

[paulding@pauldingswcd.org](mailto:paulding@pauldingswcd.org)

### Office Hours:

7am - 4:30pm Mon - Fri

### Our Mission:

To promote the wise use of our natural resources in order to enhance the environment and quality of life for the people of Paulding County.

## Calendar of Events

April 22nd– Earth Day!

April 24th– Grant Writing Workshop 9:30am-3:30pm @ Black Swamp Nature Ctr.

April 27th– Fish Order Deadline & Arbor Day!!!

April 28th– Black Swamp Nature Center Community Clean Up Day 9am-12pm

May 9th– Regular Board Mtg./ Annual Planning Mtg 8am Paulding SWCD Office

May 13th– Mother's Day

May 28th– Memorial Day– OFFICE CLOSED

June 4th-7th– Kid's Outdoor Science Camp

June 11th-16th– Paulding County Fair

June 11th, 13th, 15th– Paulding Co. Fair Kids Activities 12pm-3pm

### **Paulding Soil & Water Conservation District**

**Deb Hubbard**–*District Technician/ Admin Assistant*

**Patrick Troyer**–*Education Specialist/ District Technician*

**Daniel Foust**–*District Administrator*

**Manny Lay**–*WLEB Nutrient Management Specialist*

**Ryan Mapes**–*Ditch Maintenance Supervisor*

**Sam Smith**–*Ditch Maintenance Technician*

**Jacob Luderman**–*Ditch Maintenance Technician II*

### **Board of Supervisors**

**Matt Stoller**–Chair

**Bryce Mills**–Vice Chair

**Joe Barker**–Fiscal Officer

**Gary Derck**–Fiscal Officer

**Brian Ruble**–Member

## **Come see us at the 2018 Paulding County Fair!**

It's hard to believe but the 2018 Paulding County Fair will be here soon and your Paulding Soil & Water Conservation District has some great activities planned! The 2018 Paulding County Fair runs June 11-16 and we will have a booth in the County Extension Hall all week long Stop out enjoy some great kid's activities, say hello, and learn about the great things we are doing for the residents of Paulding County!



**Paulding Soil & Water Conservation District**

## **2018 PAULDING COUNTY FAIR ACTIVITIES**

**JUNE 11<sup>TH</sup>, 13<sup>TH</sup>, 15<sup>TH</sup>  
12PM-3PM**

**EXTENSION HALL**

**Monday, June 11<sup>th</sup> "Power to the Pollinators"**



Make your own Paper Bag Butterfly

Make your own Bumblebee Puppet

Pollinator Pizza Activity

Enviroscape Drinking Water Model

**Wednesday, June 13<sup>th</sup> "Healthy Soils are Full of Life"**

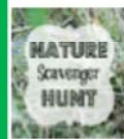
Make your own Soil!

Worm Relay Activity/Worm Composting

Streamulator



**Friday, June 15<sup>th</sup> "The Great Outdoors"**



Black Swamp Nature Center Scavenger Hunt- Sessions @ 12:15 & 1:30, meet at our booth in the Extension Hall

Exploring Ohio Wildlife



Frog Friend-Make-n-Take Craft!

Enviroscape Pollution & Wetlands Education Model

In Cooperation with the Board of County Commissioners:  
Tony Zartman, Roy Klopfenstein, Mark Holtsberry

**FREE MAKE-N-TAKE KIDS ACTIVITIES!**

**VOTE ON YOUR FAVORITE PHOTOS FROM OUR PHOTO CONTEST!**

**VOTE ON CONSERVATION POSTER CONTEST FINALISTS!**

**LEARN ABOUT YOUR PAULDING SOIL & WATER CONSERVATION DISTRICT!**

**HANDS ON LEARNING!**

Paulding Soil & Water Conservation District  
900 Fairground Drive Suite B  
Paulding, OH 45879  
419-399-4771

2018 Paulding SWCD Board of Supervisors  
Matt Stoller, Brian Ruble, Joe Barker, Bryce Mills, Gary Derck

## Spring Cleanup Day

The Paulding Soil and Water Conservation District will be holding a Spring Clean-up day at the Black Swamp Nature Center trails. This is a wonderful opportunity to help clean-up the nature trails from the winter's debris. This event will be done in celebration of Earth & Arbor Day 2018!

Clean-up will include: trash pickup, removing debris off trails, mulching trails, and removing weeds from landscaping area, cleaning the inside & outside of the building. Please bring your rakes and brooms to help clean up.

Meet us at the Black Swamp Nature Center building at 753 Fairground Drive Paulding, OH

**BLACK SWAMP NATURE CENTER**

## Spring Clean Up Day

**IN HONOR OF EARTH &  
ARBOR DAY**

**APRIL 28<sup>TH</sup> 9:00A.M- 12:00P.M.**



## Ag BMPs

In just a matter of minutes, hundreds of years of hard work can be undone with one gust of wind or rainstorm. It takes over 500 years, depending on several factors such as climate, to build up just one inch of valuable topsoil where a majority of your soil's nutrients are to be found, making it a very valuable asset!

So what are we getting at here? Why not protect that asset and keep it covered! Cover crops have many benefits for your field such as breaking up compaction, while holding the soil and the nutrients attached to soil particles where they belong....in the field!

Contact us today on how we can help you protect your most valuable asset!

# KEEP YOUR ASSETS COVERED

YOUR TOPSOIL IS VERY VALUABLE!

Paulding Soil & Water  
Conservation District  
419-399-4771  
<https://agbmeps.osu.edu>



Cover crops.  
Soil health matters.

## Items for Sale & Equipment Rental

### Marking Flags

- \$0.10 each
- 100 Flags (large): \$10.00
- 100 Flags (small): \$8.00

### Paulding Co. Plat Books

- \$7.00 per copy

### John Deere 15' No-Till Drill

- Rents for \$10.00/acre
- 24 Row, 7.5 inch spacing
- Requires: 75-100 HP tractor, hyd. outlets
- 750 series: equipped with fill auger, small seed attachment.
- Acre meter for accurate billing
- A “Rental Equipment Agreement” form must be filled out before using the equipment.
- After an agreement form is completed, the individual may pick-up the rental equipment at our maintenance shop, or chose to have equipment deliver/pickup for an additional charge of \$20.00.
- All Rental Equipment has a \$50.00 minimum usage charge



## Spring Manure Application Reminders

As the weather warms up and rainfall increases this time of year, the Ohio Department of Agriculture Division of Soil and Water Conservation would like to remind producers and nutrient applicators of laws and restrictions on manure application. **Please keep in mind that these restrictions are year round.**

Signed into law by Governor John R. Kasich in July 2015, new measures clarified and enhanced the restrictions on manure application within the Western Lake Erie Basin (WLEB).

Application restrictions in the WLEB include:

- When the local weather forecast for the application area contains a greater than fifty percent chance of precipitation exceeding one-half inch in a 24-hour period;
- Producers are reminded it is their responsibility to research and make a copy of a local forecast or the 24-hour precipitation forecast.
- Other verifiable sources of weather prediction are acceptable.
- When the top 2 inches of the soil are saturated from precipitation; On snow-covered or frozen soil.

Restrictions do not apply if:

- The manure is injected into the ground;
- Manure is incorporated within 24 hours of surface application, using a tillage tool operated at a minimum depth of 3-4 inches;
- The manure is applied onto a growing crop;

The chief of the Division of Soil and Water Conservation has provided written consent for an emergency application. Contact the division in case of an emergency.

All producers are reminded to use best management practices when applying manure and follow USDA NRCS Field Office Technical Guide Standard 590. This includes but is not limited to following manure application rates, set back requirements and considering waterways and streams before applying manure.

The Ohio Department of Agriculture has an online tool designed to help nutrient applicators identify times when the potential nutrient loss from a fertilizer or manure application is low. The Ohio Applicator Forecast takes data from the National Weather Service, predicting potential for runoff to occur in a given area. The forecast takes snow accumulation and melt, soil moisture content and forecast precipitation and temperatures into account, giving farmers substantial information when they are making nutrient application decisions.

For more information about manure application, producers and applicators can contact the Paulding Soil & Water Conservation District at 419-399-4771 or [paulding@pauldingswcd.org](mailto:paulding@pauldingswcd.org)

# A Day Outdoors!

On Saturday, February 3rd, Paulding County residents young and old came out to enjoy the great outdoors at the Black Swamp Nature Center in Paulding! Participants enjoy many different activities such as ice skating, animal furs, make your own black bear craft, and a scavenger hunt through the trails at the Black Swamp Nature Center!

Refreshments were also provided where participants could warm up with a coffee or hot chocolate and enjoy chips and hot dogs for lunch! We thank everyone who came out to bust their "Cabin Fever" and we look forward to having one of these events in the spring, summer, and fall!

Here are some pictures highlighting our day!!



**The Paulding SWCD Board of Supervisors meet on the second Wednesday of each month at 8AM at the Paulding SWCD Office.**



**Brian Ruble, Member  
Gary Derck, Dual Fiscal Agent  
Joe Barker, Dual Fiscal Agent  
Matt Stoller, Chairman  
Bryce Mills, Vice Chairman**

## Conservation Note of the Month: Understanding Paulding County Soils

**By: Patrick Troyer, Education Specialist**

So, you have lived in Paulding County for many years or maybe you have just moved into the area. Regardless of how long you have called Paulding County home, do you know about the soils that make up our county and the properties that come along with those soils such as drainage capability or the potential for slippage? In this article, it is my hope to give a brief overview on the land that makes up Paulding County so that you can be informed when utilizing the land for agricultural, building, or recreational purposes.

Let's first get a general understanding of Paulding County. You certainly don't need me to tell you how abnormal our climate can be, how much clay is in our soils, nor how flat Paulding County is. The soil survey gets it spot on when it says that Paulding County is "level to gently sloping" with not too much in the way of elevation change taking place in the county. Our county has several small streams and two rivers which crisscross the area and it has wetness which is a major limitation which has an impact on how the soils are used. According to the USDA Soil Survey, precipitation received in the winter allows for a good accumulation of soil moisture by the time spring rolls around and as you can imagine our soils are primarily used for row crop production and livestock.

Paulding County is noted for its broad area of flat slopes formed by the various glacial lakes that once covered the area. As far as the soils found in Paulding County, we have Paulding, Roselms, Fulton, Latty, and Toledo soils which formed due to the clayey sediment left behind by the glacial lakes found primarily in the central and eastern sides of the county. For those in the western half of the county, Hoytville, Nappanee, and St. Clair soils make up the soil profile where action by the lake flattened out the slope and modified the till, which is material and sediment picked up by the action of glaciers, according to the Soil Survey.

Before we get too much further, let's get an understanding of where you can easily find information on soils. The USDA has a tool called the Soil Survey that is available in print at our office or via the web at [websoilsurvey.nrcs.usda.gov](http://websoilsurvey.nrcs.usda.gov). Most are likely to use to web version now which allows you to enter your location into the map with soil information populated tailored to your location with soil types laid out on a nice map. Should you ever need assistance with this tool, be sure to stop in at the Paulding SWCD office and we will happily assist! The names given above described soil series, which are a group of soil types that developed from similar parent materials (rocks, minerals, organic matter) under comparable climatic and vege-

tation conditions.

One natural resource of many that are important to Paulding County would have to be our soils when thinking about the crops and livestock raised on this natural resource. The clay which makes up our soils was quite valuable to the early farmers in the area. According to the Soil Survey, clay was used in tile manufacturing when it came to



drainage purposes but also as brick in building construction. Plastic tile and alternative building materials have since made the clay pits and kiln ovens a faded memory.

A question that seems to come up when development is being planned or when it comes to agricultural production is the limitations that come with the soil type. If there is one limitation that is to be highlighted given our clay soils, it would have to be for the potential for slippage. Not sure what that is? Soil slippage is essentially shallow landslide that involves loose material laying above unweathered bedrock. Put another way, it is a downslope movement of weathered material (such as soil), due to stressors that have accumulated beyond the ability of the material to resist collapsing, according to the US Forest Service.

Retired USDA Soil Scientist Frank Gibbs notes this is due to the high expansion clays found in Paulding County, especially near the Paulding-Putnam county line which he says form "Slickenslides" on the "bowl shaped" faces in the cracks of the soil. Before we continue, it helps to define some additional terms. A soil aggregate consists of many fine soil particles held together in a cluster while a ped describes an individual soil aggregate. Frank Gibbs notes that the peds in our area are about the sizes of "washtubs" to a "car hood" which crack widely open during dry periods, as many farmers around Paulding County know. As a rain comes, water enters these cracks and "greases" the peds, thus creating the "slickenslide" conditions according to Gibbs. He further notes these high expansion clays as one factor behind higher than normal road maintenance costs.

## Need Event Space?

Did you know that the Paulding Soil & Water Conservation District rents out the Black Swamp Nature Center? This is the perfect building for your next graduation party, family gathering, and so much more!

Are you an educational group such as 4-H, boy/girl scouts, or a county office? Rental fees are waived if you belong to any of these groups!

Contact the office today at 419-399-4771 or [paulding@pauldingswcd.org](mailto:paulding@pauldingswcd.org) for specific rental information.

## Black Swamp Nature Center

753 Fairground Dr. Paulding, OH 45879

### Available to Rent:

Birthday Party, Bridal Shower, Baby Shower, Reunion, Graduation, Holiday Gathering, even Weddings!



For more information, contact the Paulding SWCD

Phone: 419-399-4771 Email: [paulding@pauldingswcd.org](mailto:paulding@pauldingswcd.org)

[www.pauldingswcd.org](http://www.pauldingswcd.org)

## Meet our New Employee!

Jacob Luderman recently joined our Ditch Maintenance Department as a part time Technician. He lives in Cecil, Ohio and is a 2013 graduate of Paulding High School currently attending Purdue University-Fort Wayne majoring in business. Jacob grew up on his family's grain operation and was active in the Paulding FFA Chapter where he had many projects ranging from his grain operation to taking animals to the Paulding County Fair.

Jacob will primarily be working with the Ditch Maintenance department assisting with various tasks such as mowing, spraying, seeding ditch banks, among many other tasks. He will also assist the Soil & Water Department with tasks such as tree/fish sales, maintenance at our office or at the Black Swamp Nature Center, or mowing the Ditch Maintenance Shop/County Children's Home yard.



Help the Paulding Soil & Water Conservation District & Ditch Maintenance welcome Jacob Luderman aboard!