

# 2022 MAEP Annual Meeting

Michigan Association of Environmental Professionals

Weber's Inn- December 1, 2022

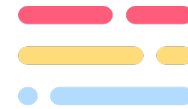


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# Bronze Sponsors



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Tammy Rabideau





*Coyote Preserve*  
GOLF CLUB

Save the Date for  
2023 Golf Outing

**TUESDAY**

JULY 11, 2023

Coyote Preserve  
Fenton, MI



# 2022 Grant Committee

- ▶ Jennifer Lagerbohm
- ▶ Kelly Gallagher
- ▶ Kathleen Klein
- ▶ Laura Lambert
- ▶ Dave Lanzola
- ▶ Joshua Schuyler

Received a total of **16** applications

Requesting a total of **\$86,068.21**

The Grant Committee reviewed and scored  
the applications and voted to award **13**

Grants for a total of **\$15,829.58**





# Scoring Criteria and Selection

**Our goal is to fully fund environmental education programs that support practical applications for solving environmental problems and/or the collection of data for analysis towards a better understand of environmental issues.**

1. Hands-on environmental experiential education
2. Quality/uniqueness of the educational experience
3. Geography and populations in Michigan
4. Effort is made to fully-fund programs to ensure viability of the program



# Summary of Grants Awarded

Grant Name	Grant Name		Grant Award
Holt HS Science Department	High School Science- Getting Outside		\$2,000.00
Friends of the Rouge	Rouge Frog and Toad Survey		\$2,000.00*
MAEOE	Sponsorship- Annual Conference		\$1,000.00
The Charles Drew Transition Center Horticulture Program	Recycling, Composting to the Rescue		\$1,183.94
Blandford Nature Center	Watershed/ Non-Point Source Model		\$1,606.94
Mattawan Middle School Conservation Club	Conservation Club- Field Trips		\$1,000.00
Meridian Public Schools	Meridian Nature Education Program		\$1,235.95
Vicksburg Community Schools Outdoor Education Center	Macroinvertebrate Mayhem		\$972.75
Keith Elementary School	Young Birders		\$350.00
Nottawa Community School	Making the Most of Compost		\$2,880.00
Midland Conservation District	Tomlinson Family Barn education center		\$400.00
Center for Science & Environmental Outreach	After School STEM for All		\$600.00
AIPG Workshop	Scholarships to attend workshop		\$600.00
	<b>Total Grant Funds</b>		<b>\$15,829.58</b>





The conference successfully brought 120 formal and non-formal educators together from across the state to the beautiful & unique location of CMU's Biological Station on Beaver Island to experience valuable professional development and networking opportunities.



Eleven students and teachers were also able to attend at little to no cost with the help of our scholarship/stipend program. These educators left the conference feeling inspired and prepared to meet the challenges of creating environmentally literate citizens of the world.



**Friends  
of the ROUGE**

# Rouge River Watershed Frog & Toad Survey



## **Purpose**

To determine and map the distribution of frog and toad species that occur in the Rouge River watershed

To give residents of an urbanized watershed first-hand experience with local wildlife

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



# Rouge River Watershed Frog & Toad Survey

## App for Learning Frog & Toad Calls: Froggyvoice

Single Caller Multi Caller Reset

Who's Calling Now?

Froggyvoice.com



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 Wood Frog	 Spring Peeper	 Midland Chorus	 Boreal Chorus				
 Northern Leopard	 Pickerel Frog	 American Toad	 Eastern Gray				
 Cope's Gray	 Blanchard's Cricket	 Fowler's Toad	 Green Frog				
 Mink Frog	 Bullfrog	<p>Development Team</p> <table border="0"> <tbody> <tr> <td>Kathy Ableson Developer/Designer Bingle Web 122 E. Hudson Ave. Royal Oak, MI 48067 kableson@bingle.com</td> <td>James H. Harding Instructor/Morphologist Specialist Department of Integrative Biology 424 W. Circle Dr. Michigan State University East Lansing, MI 48824-1045 USA j.h.harding@msu.edu</td> <td>Sally Petrella Volunteer Monitoring Program Manager Friends of the Rough 455 Church St. Suite 204 Plymouth, MI 48170 USA sallypetrella@ftr.org</td> <td>Ian Ableson Stewardship Manager Jens Gutschman Certified Integrative Guide</td> </tr> </tbody> </table> <p>Frog calls from "Michigan Frogs, Toads, and Salamanders" James H. Harding and J. Alan Holman. Michigan State University Extension, revised edition, 2015. ©2020 Bingle LC. All rights reserved.</p>		Kathy Ableson Developer/Designer Bingle Web 122 E. Hudson Ave. Royal Oak, MI 48067 kableson@bingle.com	James H. Harding Instructor/Morphologist Specialist Department of Integrative Biology 424 W. Circle Dr. Michigan State University East Lansing, MI 48824-1045 USA j.h.harding@msu.edu	Sally Petrella Volunteer Monitoring Program Manager Friends of the Rough 455 Church St. Suite 204 Plymouth, MI 48170 USA sallypetrella@ftr.org	Ian Ableson Stewardship Manager Jens Gutschman Certified Integrative Guide
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# Charles Drew Transition Center Horticulture Program





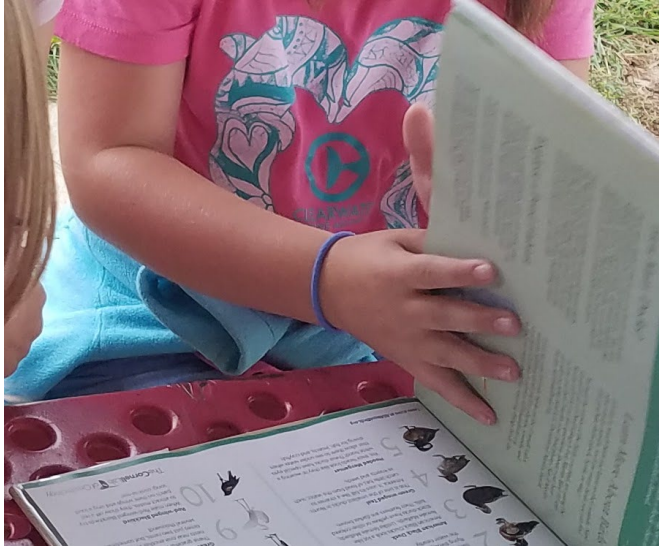


## Recycling, Composting to the Rescue: The Drew Horticulture Program

- ▶ The Drew Horticulture Program exists to provide special needs young adults with vocational horticulture skills designed to aid in obtaining functional independence and/or opportunities for placement in work-based learning situations to prepare themselves for possible employment in the community.







# Keith Elementary School- Young Birders

- ▶ A small group of students from the Keith Elementary School has been involved in promoting conservation and environment protection and addressed several topics of environment education.
- ▶ The year 2021-22, we collaborated with Oakland Audobon Young Birders Club to explore birds in the local area through participation in their field trips. Participating children slowly but surely fell increasingly in love with staying healthy through nature and outdoor birding activities.



# After School STEM Classes for All

**Project Purpose:** To provide \$75 scholarships to students who receive 'free & reduced lunch' to enable them to attend 6-week, 90-min. STEM after school, classes taught once per week.

Coordinated by the Center for Science & Environmental Outreach at Michigan Technological University  
For more information, contact: Tom Oliver ([teoliver@mtu.edu](mailto:teoliver@mtu.edu)) or Joan Chadde ([jchadde@mtu.edu](mailto:jchadde@mtu.edu))





# Mattawan Middle School Conservation Club

- ▶ Students making observations and recording them in their science journals.
- ▶ Our morning group cut down several Autumn Olive plants (invasive species) and then repurposed them as a "Nature Snake"
- ▶ Students redistributing the Purple Top (native species) seeds into barren areas.





# Nottawa Community School- Making the Most of Compost

- ▶ Expanding their operations to include composting “The goal of this project is to teach students compost conservation that closes the loop on food wastes with sustainable horticulture techniques taught through experiential application that takes pupil understanding of biology from something conceptual to something real and practical.”
- ▶ Awarded a grant for a greenhouse in 2021





# Vicksburg Community Schools Outdoor Education Center

- ▶ Macroinvertebrate Mayhem gives fifth grade students the opportunity to collect tiny creatures from our local waterway and learn more about the water quality based on what they find.
- ▶ Students will use dip nets to collect samples of water and the creatures that live there. They will use the collection trays (washing machine bases), organism guides and sorting posters to determine the health of the waterway based on the sampling of macroinvertebrates found. Students will observe, classify and count organisms.
- ▶ “Last year, I attempted a macroinvertebrate collection with fifth grade students for the first time. It was incredibly engaging and I believe that students walked away with a greater appreciation for what lives in water and the quality of our water. With better tools, including microscopes and better collection devices, this project will be incredibly impactful!”



# Midland Conservation District Interpretive Trail

- ▶ “Our desired outcome of this project is to create an interpretive trail through our wooded area at the education center. We will use this trail to help youth identify native plant species, salamanders, birds, and all other organisms that call this forested area their home. We want them to understand how without these types of environments and natural resources these organisms would not have anywhere to call home. By teaching them and showing them first-hand how important these natural resources are we hope to spread to the next generation why conserving these natural resources is important for years to come.”



## Meridian Public Schools Meridian Nature Education Program

- ▶ “We are working on creating a natural learning space on the school property.”
- ▶ This fall we added two pavilions with picnic tables as outdoor classrooms. We would like to continue to add items such as a mud kitchen, weather related items, and music related items.
- ▶ Next, we would like to add an outdoor whiteboard for teachers to use while in one of our pavilion classrooms.







# Blandford Nature Center Watershed/Nonpoint Source Model







# 2023 Board of Directors

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- ▶ Paul Glasser
- ▶ Robert Hunt
- ▶ Laura Lambert
- ▶ Jennifer Lagerbohm
- ▶ Bhushan Modi
- ▶ Leif Rodney
- ▶ Russell Schindler
- ▶ Joshua Schuyler