

Natural Resources Programming



Mindy Habecker

Pollinator work progresses during Covid-19



Programming Focus Areas

- ❖ Resilient and Productive Environments
- ❖ Thriving Organizations and Communities
 - ❖ Organizational Development
 - ❖ Multi-Agency State Conservation Training Committee
 - ❖ Rock River Coalition
 - ❖ Statewide Facilitation Trainings
 - ❖ Conflict Management Trainings
 - ❖ Strategic Planning for:
 - ❖ North Central Region Water Network
 - ❖ Friends of Silverwood Park
 - ❖ Black Earth Creek Watershed Asso.



North Central Region Water Network Planning Retreat

Resilient and Productive Environments

Primary Programs

- ❖ Climate Resilience Planning with City of Madison
- ❖ Gateway to the Driftless Trail for Dane and Sauk Counties
- ❖ Pollinator Initiatives
- ❖ Environmental Education for diverse audiences (Hmong Farmers and Madison Neighborhoods)
- ❖ Cherokee-Yahara River Rehabilitation Project
- ❖ Gateway to the Driftless Signage
- ❖ Master Composters
- ❖ Woodland Owners Conference
- ❖ Natural Resource Education Center



Teaching Youth at Verona Alternative High School

Climate Resilience Planning with City of Madison

- ❖ Partnered with UW Climate Specialists, Mayor's Office and Sustainability Coordinator
- ❖ Goal: Be Climate Resilience in all City Departments
- ❖ Provided design for planning process and materials i.e. worksheets, facilitated meetings and reviewed final products
- ❖ Formed three groups (Public Works, Planning and Community Services)
- ❖ Held series of meetings for each group education, vulnerabilities and adaptations



Gateway to the Driftless Trail

- ❖ Coalition consisting of Sauk and Dane County government, non-profits and Extension
- ❖ Goal: Develop a multi-use trail system from Middleton to Reedsburg and beyond
- ❖ Connections in Cross Plains, Black Earth, Mazomanie into Sauk City (Great Sauk Trail) and to Devil's Lake SP
- ❖ Research in other trails and professional report
- ❖ Economic Development Survey
- ❖ Educational Outreach all virtual



Pollinator Protection




- ❖ Fulfilling the goals of the County Pollinator Protection Plan
- ❖ Developed network of 16 public educational gardens with support groups
- ❖ Created a on-line pollinator habitat assessment
- ❖ Piloting a Community & School Pollinator Incentive program

Pollinator Protection: Installing 16 Public Educational Gardens



Protecting our Dane County Pollinators Cómo proteger nuestros polinizadores en el condado de Dane



Why Protect Our Pollinators?
Eighty-seven percent of the world's flowering plants depend on pollinators to reproduce. Wisconsin pollinators include bees, butterflies, moths, flies, beetles, wasps, and honeycreepers. Many of our pollinators are in trouble. Habitat loss, disease, parasites, pesticides, and environmental contaminants have all contributed to the decline in both health and population of many pollinator species. Many imperiled species collect pollen to provide nectar for their young, making them the most effective pollinators. The USA provides a home for about 3,600 species of bees with over 400 Wisconsin 90% of all bee species are solitary.

¿Por qué debemos proteger a nuestros polinizadores?
El 87% de las plantas con flores del mundo dependen de los polinizadores para reproducirse. Las abejas, mariposas, polillas, moscas, escarabajos, avispas y coleópteros son algunos de los polinizadores de Wisconsin. Muchos de nuestros polinizadores se encuentran en problemas. La pérdida de su hábitat natural, los pesticidas, los parásitos, las enfermedades y los contaminantes ambientales han contribuido a la caída de muchas especies de polinizadores, una caída a una reducción en su población. Las abejas recolectan el polen de las flores con la intención de cultivar su propia fuente de proteína para sus crías, convirtiéndolas en los polinizadores más efectivos de EE. UU. Siempre aproximadamente a 3,600 especies de abejas, con más de 400 en Wisconsin. El 90% de todas las especies de abejas son solitarias.

Other Pollinators
• Includes pollen beetles, cranes and spiky-necked flower.
• Monophyllis big flower with honey. They provide nectar or storage collection and long.
• Golden flowers.
• Beetles, an insect that can dig pollen, orange, or red.
• Flowers with flat petals that are as a landing strip.

Otros polinizadores
• Las mariposas polinizan flores con azules y blancas y flores y flores.
• Las coleópteros voladores de flores visitan algunas especies en el suelo.
• Los escarabajos de color naranja rojo y naranja y los flores visitan y largos.
• Los insectos de la flor pueden excavar o almacenar el polen de color amarillo, naranja o rojo.
• Las flores con pétalos planos que sirven como una pista de aterrizaje.

You Can Help
• The pollinator-friendly plants in your landscape.
• Check out our list of plants that bloom early through fall. Different flower colors, shapes, and sizes will provide wide variety of pollinators.
• Reduce or eliminate pesticides in your landscape.
• The majority of them are neonicotinoids. It has been proved several of which for use as seedling sites.
• Volunteer to help create and maintain pollinator habitat on public land.


Usted también puede ayudar
• Elija un jardín que sea apropiado para los polinizadores.
• Elija una combinación de plantas que florezcan desde la primavera hasta el otoño. Los diferentes colores, formas y tamaños de las flores atraerán una gran variedad de polinizadores.
• Reduzca o elimine el uso de pesticidas en su jardín.
• La mayoría de los pesticidas son neonicotinoides que se usan como semillas.
• Trabaje como voluntario para crear y mantener el hábitat de los polinizadores en espacios públicos.

Created by Dane County Environmental Council and Dane County UW Extension
Creado por el Consejo Ambiental del Condado de Dane y por UW Extension

Request:
Dane County Environmental Council invites for county pollinator protection plan and management resources.
Solicitud:
El Consejo Ambiental del Condado de Dane County Environmental Council pide el plan de protección de polinizadores y recursos.

Photo: Scott Erickson
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Pollinator Habitat Assessment Tool




WISCONSIN ONLINE POLLINATOR HABITAT ASSESSMENT

THIS TOOL IS DESIGNED TO GIVE YOU:

1. Familiarity with the features that create a healthy pollinator habitat.
2. A simple yet complete assessment of the quality of pollinator habitat for food and nesting and ways to mitigate activities that are potentially harmful to pollinators.
3. A list of actions (and supporting resources) to improve the pollinator habitat on your site

- ❖ Began as UW Sustainability Class Project
- ❖ Worked with technical guidance teams throughout process and UW Entomology
- ❖ On-line assessment
- ❖ Provides educational resources
- ❖ Relevant for Upper Midwest

Community and School Pollinator Incentive Program



Goal: Provide incentives for community groups and schools to establish pollinator habitat and educational outreach

- ❖ Designed and piloted in 2019-20
- ❖ Currently being evaluated and revised
- ❖ Will launch either fall 2020 or spring 2021.

Woodland Montessori School


Environmental Education for Diverse Audiences



Field Teaching Hmong Farmers

- ❖ Series of field and local based environmental conservation for Hmong Farmers
- ❖ Water-wise Series Training Community Leaders of Color

Cherokee Yahara River Rehabilitation Project

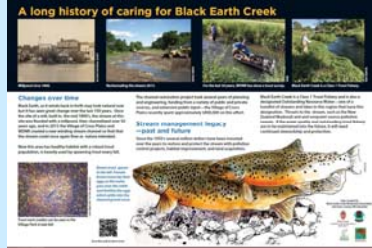


Public Input Meeting

- ❖ Collaboration of Land and Water Resources, DNR, City of Madison, and UW including Extension
- ❖ Designed and facilitated 1.5 year process
- ❖ Learning process including field trip to Mississippi
- ❖ Developed 3 rehabilitation options
- ❖ Public Input meetings to determine what stakeholders cared about and how best to protect
- ❖ Provided recommendations to Collaboration partners

Gateway to the Driftless Signage

- ❖ Focus on water quality and land use connection
- ❖ Series of 7 different themed interpretive signs in community parks
- ❖ Partners: Villages of Cross Plains, Black Earth, Mazomanie, Trout Unlimited, BECWA and Friends of Wolf Run Trail



Master Composter Program

- ❖ Collaborated with Joe Muellenberg and City of Madison Recycling Dir.
- ❖ Thirty-four participants developed the skills to be Master Composters
- ❖ Designed new educational materials and interactive instructional activities
- ❖ Coordinate outreach in the community



Woodland Owners' Conference



Natural Resource Education Center

- ❖ Expanded resources
- ❖ Provide individual consultation/coaching to users
- ❖ Served 36 different community groups and 2450 volunteers
- ❖ Focuses on experiential and hands-on learning
- ❖ Outreach to Federally Protected groups



Goal: Resilient and Productive Environments

- ❖ Working in partnership on key county natural resource issues
- ❖ Building local knowledge, informed decision making & capacity
- ❖ Engaging in sound processes
- ❖ Strengthening local leadership
- ❖ Encouraging local communities of learning
- ❖ Promoting equity



Questions and Your Ideas?



Working in Black Earth Creek area and traveling in Banff Nat. Park, Canada

