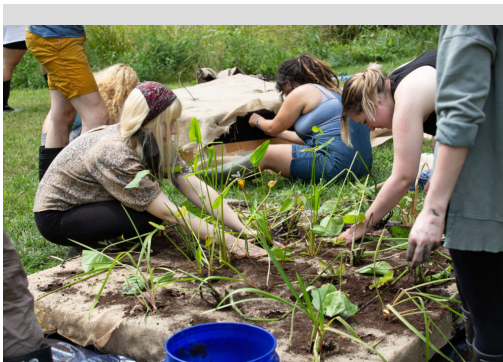


Bee Campus USA - University of North Carolina Asheville

Report on 2021

Pollinator Habitat Creation & Enhancement

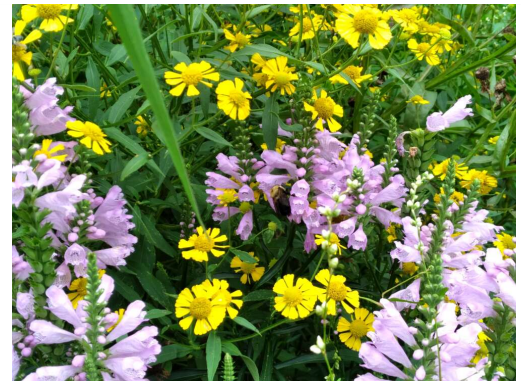
In addition to the maintenance of our existing pollinator habitat, UNC Asheville, led by our Grounds Department was able to enhance and create habitats on campus. Highlights include: 1) Installation of floating wetlands on a stormwater retention pond. This project brings pollinator habitat to a new frontier on campus. It is exciting to have habitat serve not only pollinators but also filter stormwater. 2). In partnership with the Asheville Fire Department, UNC Asheville hosted a prescribed burn in shortleaf pine community and pollinator meadow. This has several benefits to pollinators including: chemical-free invasive plant management, opening up of the understory for ground nesters, and we hope larger blooms for the butterfly milkweed. 3) After a major building renovation project, UNC Asheville has revegetated Owen Park with native plants. Efforts were taken during construction to protect existing soils and trees.



Student from a Conservation Botany class help plant floating wetlands



Using prescribed fire to enhance habitat



Pollinator garden outside of one of our residence halls

Education & Outreach

Despite another year of events that were impacted by COVID-19, UNC Asheville was able to host 6 pollinator related events in 2021. A few highlights include: 1) UNC Asheville hosted guest speaker and ethnobotanist, Marc Williams. His talk, titled "Field to Fork: You are What You Eat" discussed the interactions between plants, people and the environment. 2) The Ramsey Seed Library, a UNC Asheville project, hosted an educational tabling event and plant/ seed giveaway. 3) Students were engaged in planting floating wetlands that included native pollinator plants.





Guest speaker Marc Williams



Founders of the Ramsey Library Seed Library host a pollinator seed and plant giveaway

Courses & Continuing Education

Botany classes used pollinator gardens for study of plant pollinator interactions. Reproductive Biology class used pollinator gardens to study inbreeding and outbreeding in plant populations. Honeybees and Humans class managed the honeybee hives. Conservation Biology class helped plant pollinator habitat.





Students and faculty check on the honeybee hives

Service-Learning

On Campus Workday-Campus community came out to volunteer in 1-hr shifts to enhance the UNC Asheville grounds. Activities include planting and invasive species removal. A faculty member also coordinated a work day with local high school students to remove kudzu using hand tools. Ancient Gardens Workday- a workday in this fabled garden by Whitesides Hall where we will be beautifying the space with various flowers and herbs to match the Ancient Greek and Roman lifestyles! Volunteering at Carolina Memorial Sanctuary: Removing invasives, planting native plants, and will be



learning about how the sanctuary does their green burials.



Student volunteers remove bamboo

Educational Signage

Additional permanent signage was added to the UNC Asheville Bee Hotel to educate about solitary nesting native bees.



Policies & Practices

Worked with Grounds, faculty, students, and NC Forest Service to develop first draft of a Forest Management Plan; continue to follow LEED green building practices for Sensitive Land Protection and Sustainable Site Management; continue to follow IPM Plan; requesting grant support for goat grazing of kudzu to minimize chemical inputs.

Integrated Pest Management Plan: [Copy of UNC Asheville IPM Plan 071807 \(1\).pdf](#)

<https://campusoperations.unca.edu/intitatives/pollinator-gardens/>

Recommended Native Plant List: [Copy of Sunny Average-Moist Plant List-combined.pdf](#)

<https://campusoperations.unca.edu/intitatives/pollinator-gardens/>

Recommended Native Plant Supplier List:

<https://www.ashevillegreenworks.org/native-pollinator-plants-and-nurseries.html>



Native pollinator flowers along regenerative stormwater conveyance



[Learn More](#)

