HEE Update

Fall and Winter 2022

Bat Research in the News!

HEE research by Dr. Lizz Beilke and Dr. Joy O'Keefe has been making the rounds in numerous media outlets. Dr. Beilke and Dr. O'Keefe recently had two publications regarding bats published (*please see citations in New HEE Publications section below*). Their work studying how bats can help protect young trees from insect damage was recently the focus of an *In Defense of Plants* podcast episode and it was also highlighted by a number of online news outlets including NPR in Illinois and the University of Illinois Aces News. You can listen to the podcast and read the article about their work using the links below.

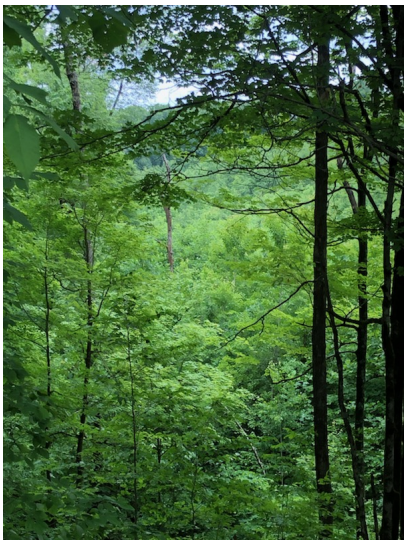
In Defense of Plants Podcast Episode
University of Illinois Article

Thank you Danielle!

Danielle Williams has been the HEE Field Coordinator since February 2020, joining the HEE as a staff member just before the COVID-19 pandemic hit. Despite starting during a time of uncertainty, Danielle was instrumental in helping us continue to collect data during a pandemic, implement new research projects, keep our field work running smoothly, and train some future natural resource professionals. She also helped us with our first foray into the social media realm and with numerous outreach events. Danielle's last day on the HEE will be Friday, February 24th. Danielle will be a Central Region Ecologist with the Indiana Department of Natural Resources Division of Nature Preserves.

Best wishes Danielle!

We are Hiring!



With the departure of HEE Field Coordinator Danielle Williams, we will be hiring an interim Field Coordinator for the 2023 field season. You can find more information about the position by visiting the HEE website Jobs page. Applications are currently being accepted.

HEE Website Jobs Page

A Second HEE Departure

I have loved being the Project Coordinator for the HEE, and author of this newsletter, for the last 7 years. It has been a great experience and I am excited to see what the future has in store for the project and the continuation of this amazing research. As of February 27th, I will be starting a new position as the Alumni, Scholarship, Awards, and Student Career Specialist for the Department of Forestry and Natural Resources at Purdue. I look forward to continuing to interact with many of you in the future in my new role. Thank you to all of our researchers, partners, techs, and graduate students for making the past 7 years great ones!

Sincerely,
Charlotte Owings

Keep your eyes peeled for information regarding this position coming soon!

Welcome New Graduate Students!

Sarah Baker

Sarah is a first-year PhD student being advised by Dr. Elizabeth Flaherty, Dr. Robert Swihart, and Dr. Pat Zollner at Purdue University. She completed her Bachelor's degree in Ecology and Evolutionary Biology at the University of Connecticut, and Master's degree in Biology at Eastern Kentucky University. Her research will focus on investigating the impact of forest management strategies on squirrel populations, and her hobbies include reading, baking, and hiking.

New HEE and HEE-Related Publications

Connare, B. and K. Islam. 2023. Advancing Our Understanding of Cerulean Warbler Space Use Through Radio Telemetry. *Journal of Fish and Wildlife Management*. doi: https://doi.org/10.3996/JFWM-21-100

Beilke, E.A., **Haulton, G.S.**, and **J.M. O'Keefe**. 2023. Foliage-roosting eastern red bats select

for features associated with management in a central hardwood forest, Forest Ecology, and Management, 527(1), https://doi.org/10.1016/j.foreco.2022.120604

Beilke, E.A. and **J.M. O'Keefe**. 2022. Bats reduce insect density and defoliation in temperate forests: An exclusion experiment. *Ecology*. *https://doi.org/10.1002/ecy.3903*

Divoll, T.J., Brown, V.A., McCracken, G.F., and **J.M. O'Keefe**. 2022. Prey size is more representative than prey taxa when measuring dietary overlap in sympatric forest bats. *Environmental DNA,* https://doi.org/10.1002/edn3.354.

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