

Handout for *Oaks, Fire, and Climate Change* Presentation by Heather Holm

Best Practices for Pollinators Summit, February 28, 2024

References, Studies of Interest, Further Reading

Alexander, H. D., Siegert, C., Brewer, J. S., Kreye, J., Lashley, M. A., McDaniel, J. K., ... & Varner, J. M. (2021). Mesophication of oak landscapes: Evidence, knowledge gaps, and future research. *BioScience*, 71(5), 531-542.

Arthur, M. A., Alexander, H. D., Dey, D. C., Schweitzer, C. J., & Loftis, D. L. (2012). Refining the oak-fire hypothesis for management of oak-dominated forests of the eastern United States. *Journal of Forestry*, 110(5), 257-266.

Borden, C. G., Duguid, M. C., & Ashton, M. S. (2021). The legacy of fire: long-term changes to the forest understory from periodic burns in a New England oak-hickory forest. *Fire Ecology*, 17, 1-17.

Brose, P., Dey, D. C., & Waldrop, T. A. (2014). The fire-oak literature of eastern North America: synthesis and guidelines. US Forest Service.

Hanberry, B. B., & Nowacki, G. J. (2016). Oaks were the historical foundation genus of the east-central United States. *Quaternary Science Reviews*, 145, 94-103.

Hanberry, B. B., & Abrams, M. D. (2018). Recognizing loss of open forest ecosystems by tree densification and land use intensification in the Midwestern USA. *Regional Environmental Change*, 18, 1731-1740.

Hanberry, B. B., Bragg, D. C., & Hutchinson, T. F. (2018). A reconceptualization of open oak and pine ecosystems of eastern North America using a forest structure spectrum. *Ecosphere*, 9(10), e02431.

Hanberry, B. B., Palik, B. J., & He, H. S. (2012). Comparison of historical and current forest surveys for detection of homogenization and mesophication of Minnesota forests. *Landscape Ecology*, 27, 1495-1512.

Nowacki, G. J., & Abrams, M. D. (2008). The demise of fire and “mesophication” of forests in the eastern United States. *BioScience*, 58(2), 123-138.

Stambaugh, M. C., Dey, D. C., Marschall, J. M., & Harper, C. A. (2022). *Fire in eastern oak forests—a primer*. NRS-INF-39-22. Madison, WI: US Department of Agriculture, Forest Service, Northern Research Station. 15 p. <https://doi.org/10.2737/NRS-INF-39-22>.

Stewart, O. C. (2002). *Forgotten fires: Native Americans and the transient wilderness*. University of Oklahoma Press.

Handout for *Oaks, Fire, and Climate Change* Presentation by Heather Holm

Best Practices for Pollinators Summit, February 28, 2024

Continuing Education Opportunities/Webinars

Wisconsin Forestry Center, UW Stevens Point

Prescribed Fire for Forest Management Webinar Series

<https://www3.uwsp.edu/cnr-ap/WFC/Pages/Workshops-Trainings/prescribed-fire-forest-management.aspx>

Southern Fire Exchange Webinars

<https://southernfireexchange.org/events/archived-webinars/fire-ecology-and-effects/>

Forest Stewards Guild Webinars

<https://foreststewardsguild.org/webinar-library/>

Tallgrass Prairie and Oak Savanna Fire Science Consortium

<http://www.tposfirescience.org/webinars/>

Oak Woodlands and Forests Fire Consortium

<https://oakfirescience.com/>

<https://oakfirescience.com/videos/>

Fire Science Exchange Network

https://www.firescience.gov/JFSP_exchanges.cfm

Fueling Collaboration Series (Four Seasons)

<https://www.fuelingcollab.com/>

Revisiting our Science & Reclaiming our Heritage With Fire by Dr. Jed Munier

<https://www.youtube.com/watch?v=pYO5zcKLRWs>

Prescribed Fire as a Restoration Tool for Savanna Communities

<https://www.youtube.com/watch?v=uUIWobTNLJI>

Mesophication of Oak Forests: Implications for Forest Function and Flammability by Dr. Heather Alexander

<https://youtu.be/fhnzwXPonJ0?si=zeRLeWQHclrHSf1F>

Fire History as a Bridge Between Ecological Knowledge Systems

https://youtu.be/ZqcCZrWgszA?si=XNTfD_LWGXqBECks