

Calvin L. Norman Professional email: cmn5525@psu.edu

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EDUCATION

Clemson University

Master of Science in Forest Resources

Clemson, SC

May 2020

Michigan Technological University

BS in Forestry, Wildlife Ecology and Management (double major)

Houghton, MI

May 2017

Cum Laude, Dean's List (5 semesters), Xi Sigma Pi (Forestry Honors Society)

TEACHING

Pennsylvania State University

FOR 203 Field Dendrology- Fall 2022 *6 credits* (Instructor)

Clemson University

Fire Ecology Creative Inquiry-Fall & Spring 2019 & 2020 *2 credits* (Co-taught)

Silviculture Lab-Spring 2019 & 2020 *3 credits* (TA)

Graduate Seminar-Fall 2019 *1 credit* (Coordinator/TA)

Clemson, SC

WORK EXPERIENCE

Co-Founder of Forest Owner Carbon and Climate Education (FOCCE)

Pennsylvania State University

University Park, PA

August 2022-Current

Lead professional development for Forest Owner Carbon and Climate Education, where we seek to ensure that natural resources professionals are up to date on the latest developments in climate change and carbon markets.

Assistant Teaching Professor of Forestry,

Pennsylvania State University

University Park, PA

August 2022-Current

Educate students, and a diverse array of stakeholders about the latest in forestry and natural resources to improve management, as well as conduct research to create solutions to the threats facing Pennsylvania's forests.

April 3, 2022
Calvin Norman
Ebensburg, PA
June 2020-Present

Forestry and Wildlife Extension Educator

Penn State University

Educate the public and professionals about the latest in natural resources to improve management and conduct research to create solutions to the threats facing Pennsylvania's forests.

Graduate Research Assistant

Clemson University

Clemson, SC
May 2018-May 2020

Researched the use of integrated control (mechanical, herbicide, and fire) to control invasive Chinese tallow (*Triadica sebifera*) at US Marine Corps Depot Parris Island.

Resource Forester

JM Longyear

Marquette, MI
May 2017 – December 2017

Assisted in managing 20,000 acres of commercial forest land in Michigan's Upper Peninsula, where I took raised trees from seedling to sawlog.

Research Technician

Michigan Technological University

Houghton, MI
May 2016 – May 2017

Supported projects for the US Forest Service Northern Forest Research Station and MTU.

Soil Lab Technician

Michigan Technological University

Houghton, MI
March – May 2016

Prepared soil samples for chemical nutrient analysis for the Environmental Fate of Carbon in Logging Residues under Operational Forest Management project.

Research Technician

Michigan Technological University

Houghton, MI
May 2016 – August 2017

Conducted an in-depth survey of 162 acres of northern hardwoods in the Ford Experimental Forest.

FUNDED PROJECTS (TOTAL AMOUNT: \$1,633,000)

Kreye M., C. Norman, C. Vander Schaaf, T. Cushing, G. El Afandi, B. deSilva, P. Leopold, K. Cooper, M. Clark, and T. Ontl. 2022-2026. Forest Owner Carbon and Climate Education Program (FOCCE). *National Institute of Food and Agriculture*. \$1,500,000.

Kreye J.K., M. Kreye, A. Muth, C. Norman, S. Smith, and E.P. Burkhart. 2022-2023. Broadening Extension through Student Training (BEST). *The Pennsylvania State University Ecosystem Services Department*. \$60,000.

Machtinger E., M. Skvarla, **C. Norman** and K. Poh. 2021-2022. Deer, ticks, and keds, oh my! Assessing how tick repellents affect deer and deer parasites and educating hunters on repellent use. *The Pennsylvania State University College of Agricultural Science Science-to-Practice Program*. \$10,000.

McDill M., M. Jacobson, M. Kreye, A. Muth, and **C. Norman** 2021-2022. Evaluating the Feasibility of a Pennsylvania Forest Carbon Cooperative. *US Forest Service*. \$50,000.

Norman C., A. Muth, S. Wurzbacher, D. Jackson, K. Schmidt, and J. Rose. 2020-2021. Oak Wilt Management and Disposal. *The Pennsylvania State University College of Agricultural Science Science-to-Practice Program*. \$9,000.

Norman C., G.G Wang., and L.S. Pile. 2019-2020. Prescribed Fire Impact on Chinese Tallow in Lowland Hardwoods. *Nemours Wildlife Foundation*. \$4,000.

EXTENSION PUBLICATIONS

J. Benavides and **Norman C.** 2022. *Penn State Extension*. Uso de drones en agricultura y gestión de recursos naturales

J. Benavides and **Norman C.** 2022. *Penn State Extension*. Using Drones in Agriculture and Natural Resource Management

C. Norman. 2022. Primer for CWD Webinar Series. *Penn State Extension*.

C. Norman and Rojik, E. 2022. Wavyleaf Basketgrass. *Penn State Extension*.

Tanger S. and **C. Norman.** 2022. Natural Capital Exchange. *Mississippi State University Extension*.

Norman C. and M. Kreye. 2021. Questions to Ask Before Joining a Carbon Program. *Penn State Extension*.

Norman C. and M. Kreye. 2021. What Does Forest Carbon "Sequestration" and "Storage" Mean? *Penn State Extension*.

Norman C. and M. Kreye. 2021. What is Selling Forest Carbon Like? Three Landowners' Experiences. *Penn State Extension*.

Norman C., K. Schmidt, S. Wurzbacher, D. Jackson, and A. Muth. 2021. Oak Wilt in Eastern Forests. *Penn State Extension*.

Norman C., K. Schmidt, E. Burkhart, and E. Zimmerman. 2021. The Identification of Mesophytic Cove Sites in Pennsylvania. *Penn State Extension*.

Norman C., S. Johnson, and A. DeWitt. 2021. Using iMapInvasive to Help Control Hemlock Woolly Adelgid. *Penn State Extension*.

Norman C. and K. Schmidt. 2021. What is Chronic Wasting Disease? *Penn State Extension*.

Norman C. and K. Schmidt. 2021. The Effect of Coyotes on Pennsylvania's Deer Herd. *Penn State Extension*.

Norman C. and J. Geyer. 2021. What's Going on with Dimensional Lumber Prices? *Penn State Extension*.

Schmidt K. and **C. Norman**. 2021. Climate Change Effects on Pennsylvania's Forests. *Penn State Extension*.

Norman C. 2021. Why Penn's Woods Needs Biomass. *Penn State Extension*.

Norman C. 2021. Cougars Are Not in Pennsylvania. *Penn State Extension*.

Norman C. and T. Groh. 2020. Biochar in Riparian Buffers. *Penn State Extension*.

Norman C. 2020. Why Penn's Woods Needs Biomass. *Penn State Extension*.

Norman C. and M. Kreye. 2020. How Forest Carbon Programs Work: Two Case Studies. *Penn State Extension*.

Norman C. and M. Kreye. 2020. Carbon Markets 101. *Penn State Extension*.

Norman C. and M. Kreye. 2020. How Forests Store Carbon. *Penn State Extension*.

Norman C. 2020. Eastern Spadefoot Toad. *Penn State Extension*.

Norman, C. 2020. Eastern Massasauga. *Penn State Extension*.

Norman C. 2020. Oak Wilt on the Stone Valley Experimental Forest. *Penn State Extension*.

SCHOLARLY PUBLICATIONS

Norman C., W. Slater, C Strickland, T. Markus, K. Young, K. Crout, J. Hartshorn. 2019. Ambrosia Beetles. *Land Grant Press*.

Pile L.S., L. Vickers, M. Stambaugh, **C. Norman**, and G.G. Wang. 2019. The Tortoise and the Hare: A Race between Native Tree Species and the Invasive Chinese Tallow. *Forest Ecology and Management* 445: 110-121.

COMMUNITY PUBLICATIONS

Norman C. 2021. Why are the Colorado Blue Spruce Dying? *Elm Grove News-Independent*.

Norman C. 2016. Cougar attack fear unfounded. *The Daily Mining Gazette*.

Evans R. & **C. Norman**. The Deadly Threat Waiting in Our Forests. *It Could Happen Here* (Podcast)

Evans R. & **C. Norman**. The Woods are Bad. *It Could Happen Here* (Podcast)

EXTENSION VIDEOS

Smith S. & **C Norman**. 2022. Woodland Wisdom 3. *Penn State Extension*

Smith S. & **C Norman**. 2022. Woodland Wisdom 2. *Penn State Extension*.

Smith S. & **C Norman**. 2021. Woodland Wisdom 1. *Penn State Extension*.

Powell C., **C Norman**. 2021. Portrait of a Pennsylvania Farmer: Logging and Lumber Industry. *Penn State Extension*.

Norman C. 2020. Endangered in PA: Indiana bat. Penn State Extension Renewable Resources Facebook page. *Penn State Extension*.

EXTENSION/NON-SCHOLARLY PRESENTATIONS

*Invited speaker

Forestry for Birds (series of four webinars). 2022. Host/Moderator/ Co-presenter.

Managing Invasive Species (two workshops). 2022. *Penn State Extension*. Organizer/Presenter

Hemlock Conservation: Protecting Hemlocks from Hemlock Woolly Adelgid. 2022. *Penn State Extension*. Organizer/Presenter

Noxious Weeds in Pa. 2022. *Penn State Extension*. Presenter*

Chronic Wasting Disease in Pennsylvania (series of four webinars) . 2022. *Penn State Extension*. Host/Moderator/ Co-presenter.

Get to Know Aquatic Invasive Species. 2022. *Penn State Extension*. Host/Moderator

Advice from the Woods. Panelist. 2020-current (quarterly webinars). *Penn State Extension* (Webinar). Host/Moderator/ Co-presenter.

Climate Change and Forest Health. 03/28/2022. *Somerset Master Gardeners*. Presenter. *

Introduction to Forest Carbon Markets. 03/03/2022. *Louisiana's CENLA Forestry Forum* (Webinar). Co-presenter. *

Understanding Forest Carbon Markets. 02/24/2022. *NRCS Central Region State Foresters Monthly Meeting* (Webinar). Co-presenter.

Oak Wilt Management Conference. 02/01-02/02/2022. *Penn State Extension* (Webinar). Organizer/Moderator/ Presenter.

Getting Started in Maple Syrup. 01/26/2022. *Penn State Extension*. Organizer.

A Review of the Forest Owner Carbon Market Assessment and Planning Tool (FCMAP). 12/14/02/2021. *Penn State Extension* (Webinar). Moderator.

Landowner Interest in Carbon Market Opportunities in the US. 12/1/2021. *Forest Carbon Working Group* (Webinar). Co-presenter. *

Understanding Forest Carbon and Carbon Market for Landowners in South Dakota Series (four presentations). 11/2021. *South Dakota Department of Environment & Natural Resources* (Webinar). Co-organizer/ Co-presenter. *

Carbon Markets in Pennsylvania. 11/10/2021. *Penn State Extension* (Webinar). Co-presenter. *

Deer Management for Indiana Township Parks. 10/21/2021. *Indiana Township*. Co-presenter. *

How to Use the First Order Fire Effects Model (FOFEM). 10/14/2021. *Penn State Extension* (Webinar). Organizer/Moderator.

4-H Forestry SPIN Club Field Day. 10/09/2021. *Penn State Extension*. Co-organizer/ Co-presenter.

Forest Carbon Panel. 10/12/2021. *Citizen's Climate Lobby* (Webinar). Moderator. *

Understanding Lawn Conversion. 10/1/2021. *Penn State Extension*. Organizer/ Co-presenter.

Managing Invasive Plants in Pennsylvania. 09/30/2021. *Penn State Extension*. Organizer/ Co-presenter.

Biochar and Carbon Trade. 09/02/2021. *US Forest Service* (Webinar). Co-presenter. *

Chronic Wasting Disease in Pennsylvania Series (four presentations). 08/2021. *Penn State Extension* (Webinar). Co-organizer/Moderator/ Co-presenter.

Utility-Scale Solar Siting and Forests. 7/8/2021. *Penn State Extension* (Webinar). Organizer/Moderator.

A Conversation with FFCP Managers. 6/15/2021. *Penn State Extension* (Webinar). Organizer/Moderator.

Creating a Backyard Oasis for Wildlife. 1/14/2021. *Penn State Extension* (Webinar). Co-presenter.

Managing Forests in Pennsylvania with Climate Change in Mind. 5/12/2021. *Penn State Extension* (Webinar). Organizer/Moderator.

Managing Forests to Enhance Carbon Storage. 5/5/2021. *Penn State Extension* (Webinar). Organizer/Moderator.

An Introduction to Forests, Carbon Sequestration and Markets. 4/21/2021. *Penn State Extension* (Webinar). Organizer/Moderator/ Co-presenter.

An Introduction to Forests, Carbon Sequestration and Markets Roundtable. 4/28/2021. *Penn State Extension* (Webinar). Organizer /Moderator.

Proper Chainsaw Sharpening Techniques. 9/29/2020. *Penn State Extension* (Webinar). Moderator.

Dismiss the Myths - Common Myths About Ticks, Mosquitoes, and Other Vectors. 1/9/2021. *Penn State Extension* (Webinar). Co-presenter.

Where to Begin as a Forest Landowner: Exploring Options for Inspired Landowners. 1/16/2021. *Penn State Extension* (Webinar). Co-presenter.

Natural Area Management Services - Advanced Level II. 2/23/2021. *Maryland Extension* (Webinar). Co-presenter. *

An Introduction to Forests, Carbon Sequestration and Markets Roundtable. 12/15/2020. *Penn State Extension* (Webinar). Organizer /Moderator.

An Introduction to Forests, Carbon Sequestration and Markets Roundtable. 11/28/2020. *Penn State Extension* (Webinar). Organizer/ Co-presenter.

PROFESSIONAL/SCHOLARLY PRESENTATIONS

Skvarla, M. J., K. Poh, J. Evans, **C. Norman**, and E. Machtinger. 2022. Deer keds in Pennsylvania. *The Wildlife Society*, PA Chapter Annual Meeting.

Norman C., S. Guynn, and D. Guynn. 2019. Mixing Deer and Oak: A 13-year Study Measuring the Effects of Deer Herbivory in the Piedmont of South Carolina. *Society of American Foresters*.

Norman C., L.S. Pile, and G.G. Wang. 2019. Bettering Chinese Tallow (*Triadica sebifera*) Management: 6 Years of Response to Several Treatments. *Society of American Foresters*.

Norman C., S. Guynn, and D. Guynn. 2019. Impact of white-tailed deer herbivory on upland hardwood plant communities and oak regeneration in the Piedmont of South Carolina. *Appalachian Society of American Foresters*.

Norman C., S. Guynn, and D. Guynn. 2019. Impact of white-tailed deer herbivory on upland hardwood plant communities and oak regeneration in the Piedmont of South Carolina. *Southeastern Deer Study Group Meeting*.

Scholarly Posters

Martin A., C. Myers, **C. Norman**, and B. Bloodwood. 2019. Chinese tallow's response to prescribed fire in upland pine and lowland hardwood stands. *Society of American Foresters*. [advised undergraduate students on poster.]

Norman C., L.S. Pile, and G.G. Wang. 2019. The long-term impact of prescribed fire in integrated pest management of Chinese tallow (*Triadica sebifera*). *Southern Silvoicultural Research Conference*.

Norman C., S. Guynn, and D. Guynn. 2019. Impact of white-tailed deer herbivory on upland hardwood plant communities and oak regeneration in the Piedmont of South Carolina. *Graduate Research and Discovery Symposium.*

LEADERSHIP

Membership Chair. 2022-current. *Rothrock Chapter of SAF.*

Treasurer and Secretary. 2019-2020. *Keowee Chapter of SAF.*

Treasurer/Secretary. 2019-2020. Natural Resources Graduate Student Associate (NRGSA), *Clemson University.*

Undergraduate Outreach Committee 2018-2020. NRGSA, *Clemson University.*

Graduate Student Senator. 2019-2020, *Clemson University.*

President. 2016-2017. Xi Sigma Pi, *Michigan Technological University.*

SERVICE

Vector-borne Disease Extension Educator Hiring Committee. 2022. *Penn State Extension.*

Reviewer. 2021-current. *iMAP Invasive.*

Member of the Riparian Buffer Working Group Meeting. 2021-current. *Penn State Extension.*

Member of the Vector-borne Disease Team. 2021-current. *Penn State Extension.*

Member of the Energy Team. 2021-current. *Penn State Extension.*

Member of the Fuel for Schools Task Force. 2021-current. *The Pennsylvania State University.*

CERTIFICATIONS

Candidate Certified Forester # 77498

Oak SILVAH, 2022

Allegheny/Northeast Leadership Training for the Society of American Foresters, 2022

Deer Steward 1, Quality Deer Management Association, 2019

Project Wet, 2018

Project Wild, 2018

Project Learning Tree, 2018

AWARDS & SCHOLARSHIPS

Distinguished Senator. 2019. *Clemson Graduate Student Government.*

National Excellence Scholarship. 2013-2017. *Michigan Technological University.*

George B Robbe Memorial Scholarship. 2014-2017. *Michigan Technological University School of Forestry.*

Eagle Scout. 2012. *Boy Scouts of America.*