

# Kristen K. de Graauw, PhD

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## EDUCATION

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2019      **PhD Geography**, West Virginia University, Morgantown, WV  
2012      **MS Earth & Quaternary Sciences**, Indiana State University, Terre Haute, IN  
2010      **BA Geography**, Kennesaw State University, Kennesaw, GA

## PROFESSIONAL APPOINTMENTS

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August 2025 – present      **Assistant Professor of Geography**  
Department of Geography and Planning  
Appalachian State University (ASU), Boone, NC

August 2023 – August 2025      **Lecturer of Environmental Science**  
Department of Ecology, Evolution, & Organismal Biology (EEOB)  
Kennesaw State University (KSU), Kennesaw, GA

August 2022 – May 2023      **Limited-Term Assistant Professor**  
Department of EEOB  
KSU, Kennesaw, GA

August 2021 – May 2022      **Field Ecology Lecturer**  
Department of Biology  
University of Dayton (UD), Dayton, OH

## RESEARCH EXPERIENCE

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2016 – 2022      Owner/Principal Scientist | Historic Timbers Dendroarchaeology LLC

January 2020 – May 2020      Research Assistant | Montane Forest Dynamics Laboratory | WVU

August 2013 – May 2017      Research Fellow | Montane Forest Dynamics Laboratory | WVU

August 2012 – August 2013      Research Assistant | Montane Forest Dynamics Laboratory | WVU

May 2010 – May 2012      Research Assistant | Tree-Ring Laboratory | ISU

## PEER-REVIEWED PUBLICATIONS

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**de Graauw, KK**, Rochner, M, van de Gevel, S, et al. (2024) Comparing the impact of live-tree vs. historic-timber data on palaeoenvironmental inferences in tree-ring science, eastern North America. *The Holocene* 34(1), 3-13.

**de Graauw, KK**, Hessel, AE (2020) Do historic log buildings provide evidence of reforestation following depopulation of Indigenous Peoples? *Journal of Biogeography* 47(3), 630-642.

**de Graauw, KK** (2017) Historic log structures as ecological archives: a case study from eastern North America. *Dendrochronologia* 45, 23-34.

- Cockrell, SW, **de Graauw, KK**, Ziegler, AM, Hessel, AE (2017) Precision dating of Cook's Mill, a Civil War Era Structure in West Virginia. *Dendrochronologia* 43, 20-26.
- de Graauw, KK**, Towner, RH, Grissino-Mayer, HD, Kessler, NV et al. (2014) Historical Dendroarchaeology of Two Log Structures in the Valles Caldera National Preserve, New Mexico, USA. *Dendrochronologia* 32, 336-342.
- Grissino-Mayer, HD, Maxwell, JT, Harley, GL, Garland, NA, ... **de Graauw, KK** et al. (2013) Dendrochronology reveals the construction history of an early 19th century farm settlement, southwestern Virginia, USA. *Journal of Archaeological Science* 40, 481-489.

## COURSES TAUGHT

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### 2025 – present

Fall 2025

#### Appalachian State University

GHY 1010 | Global Environmental Systems

GHY 1012 | Global Change of the Biosphere

### 2022 – 2025

#### Kennesaw State University

BIOL 1108L | Biological Principles II Lab

ENVS 2202K | Introduction to Environmental Science

ENVS 3100K | Soil & Water Science (Lab)

ENVS 4300 | Environmental Ethics

ENVS 4399 | Environmental Science Capstone

SCI 1102 | Science, Society, & Environment II

SCI 1101 | Science, Society, & Environment I

SCM 2000 | Culture of Science & Math

### 2021 – 2022

#### University of Dayton

BIO 310L | Ecology Lab

BIO 499 | Environmental Biology Internship

### 2017 – 2018

#### West Virginia University

BIOL 106 | Environmental Biology Lab

GEOG 102 | World Regional Geography

### 2013 – 2018

#### Miscellaneous

Adjunct Faculty, Fairmont State University

GEOG 2210 | Intro to Geography

Instructor, National University of Mongolia

Dendroecological Field Week

Co-Instructor, Kennesaw State University

Environmental Field Research Co-Instructor

## FELLOWSHIPS, GRANTS, & SCHOLARSHIPS

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2019–2021	West Virginia Humanities Council Major Grant <b>\$11,810</b>
2019–2019	WVU Geography Graduate Research Fund <b>\$1,000</b>
2016–2017	WVU Outstanding Merit Fellowship <b>\$17,000</b>
2015–2017	West Virginia Humanities Council Major Grant <b>\$17,201</b>
2013–2016	WVU STEM Mountains of Excellence Fellowship <b>\$81,000</b>

## DEPARTMENTAL SERVICE

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January 2024 – May 2024	Participant/Member Environmental Science Program Learning Community College of Science & Mathematics, KSU
August 2023 – May 2024	Committee Member BIOL 1108 Lecturer Hiring Committee Department of EEOB, KSU
August 2023 – May 2024	Secretary & Committee Member Biology Curriculum Committee Department of EEOB, KSU
January 2022 – May 2022	Internship Coordinator Environmental Biology Program Department of Biology, UD
January 2022 – May 2022	Committee Member Environmental Biology Hiring Committee Department of Biology, UD
August 2021 – May 2022	Committee Member Diversity, Equity, Justice, & Inclusion Committee Department of Biology, UD
August 2021 – May 2022	Committee Member Environmental Biology Program Steering Committee Department of Biology, UD

## PROFESSIONAL DEVELOPMENT

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August 14, 2025	<b>“Cultivating Class Communities”</b> Center for Excellence in Teaching and Learning for Student Success (CETLSS) ASU, Boone, NC
December 22, 2023	<b>“TILT: Assignment Design for Transparency in Learning and Teaching”</b> Center for Excellence in Teaching and Learning (CETL), KSU, Kennesaw, GA
December 15, 2023	<b>“Getting Started with SOTL at KSU”</b> CETL, KSU, Kennesaw, GA
September 29, 2023	<b>Safe Space Training &amp; Certification</b> LGBTQ Resource Center, KSU, Kennesaw, GA
December 7, 2021	<b>“Evaluate Before You Duplicate” Training Session</b> The Learning Teaching Center, UD, Dayton, OH
October 14 & 21, 2021	<b>Ally+ Training Workshop &amp; Ally+ Certification</b> The Brook Center, UD, Dayton, OH
April 21 – 22, 2018	<b>Software Carpentry Workshop on ‘R’</b> WVU, Morgantown, WV

May 28 – June 5, 2012	<b>22<sup>nd</sup> Annual North American Dendroecological Fieldweek (NADEF)</b> Valles Caldera National Preserve, Jemez Springs, NM
August 1 – 9, 2011	<b>21<sup>st</sup> Annual North American Dendroecological Fieldweek (NADEF)</b> The Mountain Lake Biological Station, Pembroke, VA
May 16 – 27, 2011	<b>Dendrochronology Summer Workshop</b> University of Arizona, Tucson, AZ
August 5 – 13, 2010	<b>20<sup>th</sup> Annual North American Dendroecological Fieldweek (NADEF)</b> Crooked Creek Field Station, White Mountains, CA

## SELECT CONFERENCES

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- de Graauw, KK, Hessel, AE (presenting). Did Indigenous depopulation of the Americas lead to reforestation, CO<sub>2</sub> drawdown, and the LIA? Empirical evidence from log buildings. Poster presented at **American Geophysical Union Annual Meeting**. San Francisco, CA. December 9-13, 2019.
- de Graauw, KK. Archaeological Timbers in Ecological Studies. Invited paper presented at the **Association of American Geographers Meeting**. New Orleans, Louisiana. April 11-14, 2018.
- de Graauw, KK. Historic structures as ecological archives: a case study in the central Appalachian region. Poster presented at the **Association of American Geographers Meeting**. Boston, Massachusetts. April 5-9, 2017.
- Stetler, R., de Graauw, KK, Dye, A., Hessel, A.E. Exploring mesoscale disturbance in eastern North American forests using a tree-ring database. Poster presented at the **Association of American Geographers Meeting**. Boston, Massachusetts. April 5-9, 2017.
- Hessel, A.E., de Graauw, KK (presenting), Pederson, N., Baatarbileg, N., Anchukaitis, K., Cook Shinneman, A., Tian, H., and Burkhart, J.Q. Pluvials, Droughts, Energetics and the Mongol Empire. Poster presented at the **Past Global Changes (PAGES) Conference**. Leuven, Belgium. February 3-7, 2014.
- de Graauw, KK, Grissino-Mayer, H.D., Towner, R.H., Kessler, N.V., Knighton-Wisor, J., Steffen, A., and Doerner, J.P. Dendroarchaeology in the Valles Caldera: The Salt Barn and Commissary Cabin. Poster presented at the **Second American Dendrochronology Conference**. Tucson, Arizona. May 13-17, 2013.
- de Graauw, KK, Speer, J.H., and Aldrich, S.P. Mapping Pandora Moth Outbreaks in the western United States: Using Animation to Display Spatiotemporal Data. Paper presented at the **Association of American Geographers Meeting**. New York, New York. February 24-28, 2012.
- de Graauw, KK and Speer, J.H. Reconstructing Insect Outbreaks, Climate, and Fire in Pine Forests throughout California. Poster presented at the **Association of American Geographers Meeting**. Seattle, Washington. April 12-16, 2011.

## INVITED LECTURES

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- “Internships 101”. University of Dayton Biology Seminar. Dayton, OH. March 23, 2022.
- “All the forest in a barn? What historic log buildings can (and cannot) tell us about past forest ecology”. University of Dayton Biology Seminar. Dayton, OH. December 6, 2021.

“Drilling in on Dendroarchaeology”. Virginia Humanities Virtual Program, Virginia Humanities. October 26, 2021.

“If these walls could talk: Tree-ring dating of ‘the Old Fort’ in Fort Ashby, WV”. Grand Reopening of Ashby’s Fort, Fort Ashby, WV. May 23, 2021.

“Tree-Ring Dating of Historic Log Structures”. WVU Master Naturalist Course, Morgantown, WV. July 28, 2016.

“Tree-Ring Dating of Old Hemlock House”. Old Hemlock Foundation, Bruceton Mills, WV. March 15, 2016.

## SELECT MEDIA

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Interview with Ginny Neil, **Blue Ridge Country Magazine**. “Dendroarchaeology Strikes: All the Forest in a Barn” November/December 2021.

Interview with Isaac Schultz, **Atlas Obscura**. “Why trees are the most reliable historians of early America” January 23, 2020.

Interview with David Sibray, **West Virginia Explorer**. “Log cabin researchers encounter rare construction, mysterious circumstances in eastern W.Va.” January 8, 2016.

Interview with Mike Mallow, **Moorefield Examiner**. “No longer stumped: family gets surprise answer to cabin’s age”. November 30, 2016.

Guest appearance on **Discovery Channel’s “Barnwood Builders”**. Season 3 Episode 11. March 18, 2016.

Interview with Andrew Carroll, **West Virginia Public Broadcasting**. “Researchers Uncovering W.Va.’s Human and Environmental History”. November 30, 2015.

## VOLUNTEER PROJECTS

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2021–2022	Lead Instructor/Coordinator, Litter Pick-Up Service-Learning Activity (BIO 310L) Great Miami River, Dayton, OH
2020–2022	Lead dendroarchaeologist, tree-ring dating of Ingleside Mansion Preservation North Carolina, Ingleside, NC
2016–2017	Lead dendroarchaeologist, tree-ring dating of Yoder Cabins Privately owned, Morgantown, WV
2015–2016	Lead dendroarchaeologist, tree-ring dating of Old Hemlock House Old Hemlock Foundation, Bruceton Mills, WV
2013–2014	Dendroarchaeologist, tree-ring dating of Cook’s Mill Privately owned, Greenville, WV

## PROFESSIONAL AFFILIATIONS

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2010–2018	American Association of Geographers
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## PROFICIENCIES

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RStudio/Microsoft Suite D2L/Blackboard/eCampus
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