

Brian A. Peterson
Kansas State University
Assistant Professor
brianpeterson@ksu.edu

Education

2020	Postdoctoral Fellow <i>Kansas State University</i>
2016-2020	PhD: Parks, Recreation, and Tourism Management <i>Clemson University</i>
2014-2016	MS: Parks, Recreation, and Tourism <i>University of Utah</i>
2000-2004	BA: Biology <i>University of San Diego</i>

Peer-Reviewed Journal Articles

* = Represents graduate student advisee, undergraduate advisee, or post-doc advisee

- Bremser, K.*, **Peterson, B. A.**, Coffey, L.*, Jackson, S. K., Ferguson, L. A., Hood, L., Rucker, J.*, & Giri, P.* (2026). Psychological restoration from natural soundscapes depends on perceived bird biodiversity and soundscape awareness. *Journal of Park and Recreation Administration*. (in review).
- Coffey, L.*, Jackson, S. K., & **Peterson, B. A.** (2026). The Cascading Impact of Leave No Trace: Using Intentional Personnel Training to Empower Responsible Recreation in Yellowstone National Park. *Outdoor Recreation and Tourism*. (in review).
- Ferguson, L. A., Sanchez, K., **Peterson, B. A.**, Francis, C., & Barber, J. (2026). A phantom birdsong chorus enhances human well-being on an urban trail. *Applied Acoustics*. (in review).
- Gurung, B.*, **Peterson, B. A.**, Hutchinson, J. M. S., Olstad, T. A., Joyce, D., Anderson, S. J., Beeco, J. A., & Betchkal, D. H. (2026). Examination of aircraft tracking technologies for overflight monitoring in Denali National Park and Preserve. *Transactions in GIS*. (in review).
- Bremser, K.*, **Peterson, B. A.**, Coffey, L.*, Jackson, S. K., Ferguson, L. A., Sánchez, J. J., Osman, E., Bergtold, J., Rucker, J.*, & Giri, P.* (2026). National grasslands soundscapes: The influence of visitor attitudes. *Journal of Outdoor Recreation and Tourism*. (in review).
- Gurung, B.*, **Peterson, B. A.**, Sánchez, J. J., Thomas, A., Perry, E. E., Bergtold, J., & Jackson, S. K. (2026). Understanding visitors' preferences for recreation sites during wildfire-and drought-induced displacements in the Southern California national forests. *Trees, Forests and People*, 101457. doi: <https://doi.org/10.1016/j.tfp.2026.101457>

- Doeblin, D., Sharp, R. L., Brownlee, M. T., Fefer, J., & **Peterson, B. A.** (2026). When do park experiences influence visitor thresholds? *Journal of Park and Recreation Administration*. doi: <https://doi.org/10.18666/JPra-2026-13026>
- Krzemian, S., Budzyn, E. E., Perry, E. E., Thomas, A. S., Sánchez, J. J., & **Peterson, B. A.** (2026). Recreating together? A research note on displacement drivers and type variation by multigenerational household residency. *Journal of Park and Recreation Administration*. doi: <https://doi.org/10.18666/JPra-2026-13245>
- Peterson, B. A.**, & Perry, E. E. (2026). From Classroom to Canopy: Co-creating a Forest Recreation Community Engaged Learning Model to Cultivate Student Leadership and Connect Research and Education. *SCHOLE: A Journal of Leisure Studies and Recreation Education*, 1-9. doi: <https://doi.org/10.1080/1937156X.2026.2686087>
- Gurung, B.*, Betchkal, D. H., Beeco, J. A., **Peterson, B. A.**, Olstad, T. A., Anderson, S. J., Hutchinson, J. M. S., Jackson, S. K., & Joyce, D. (2026). Estimating active space noise extent from two aircraft weight classes over the Great Smoky Mountains National Park. *Aerospace*. doi: <https://doi.org/10.3390/aerospace13040363>
- Bremser, K.*, **Peterson, B. A.**, Jackson, S. K., Sharp, R. L., Shively, R. D., Sanchez, J. J., & Gurung, B.* (2025). Exploratory mixed methodology to understand visitor use and perceptions at a national grassland. *Journal of Park and Recreation Administration*. doi: <https://doi.org/10.18666/JPra-2025-12891>
- Peterson, B. A.**, Coffey, L.*, Gurung, B.*, Hutchinson, J. M. S., Olstad, T. A., Betchkal, D. H., Anderson, S. J., Joyce, D., & Beeco, J. A. (2025). Understanding Overflight Travel Patterns Above Parks and Protected Areas: A Systematic Review. *Journal of Park and Recreation Administration*. doi: <https://doi.org/10.18666/JPra-2025-13120>
- Ferguson, L. A., **Peterson, B. A.**, Crump, M., Taff, B. D., Newman, P., Betchkal, D. H., Hutchinson, J. M. S., & Beeco, J. A. (2025). Integrating aircraft tracking, acoustic data, and surveys to evaluate park aircraft noise. *Tourism Geographies*, 1-20. Doi: <https://doi.org/10.1080/14616688.2025.2591832>
- Peterson B. A.**, Hutchinson J. M. S., Olstad T. A., Gurung, B.*, Anderson, S. J., Betchkal, D. H., Joyce, D., & Beeco, J. A. (2025). Developing and testing an automated GIS toolbox for tracking low-level overflights above United States' National Park Service units. *International Journal of Astronautics and Aeronautical Engineering*, 10:067. <https://doi.org/10.35840/2631-5009>
- Thomas, A. S., Budzyn, E. E., Perry, E. E., **Peterson, B. A.**, & Sánchez, J. J. (2025). Play and peril: Displacement drivers and types across recreation motivations in crowding and wildfire-prone southern California national forests. *Journal of Outdoor Recreation and Tourism*, 50, 100889. <https://doi.org/10.1016/j.jort.2025.100889>
- Gurung, B.*, **Peterson, B. A.**, Fleming, S., Drury, S., Thomas, A., Sánchez, J. J., & Perry, E. E. (2025). Identification of High Fire Potential and High-Use Spatial Intersections at a National Forest to Understand Recreation Displacement Related to Wildfire Events. *Annals of the American Association of Geographers*, 1-11. <https://doi.org/10.1080/24694452.2025.2463503>

- Perry, E. E., & **Peterson, B. A.** (2025). Regional Relevance of a Cultural Park: Leverage Points Identified Through Spatial-Social Network Analysis. *Annals of the American Association of Geographers*, 1-13.
<https://doi.org/10.1080/24694452.2025.2452565>
- Betchkal, D. H., Beeco, J. A., Anderson, S. J., **Peterson, B. A.**, & Joyce, D. (2023). Using aircraft tracking data to estimate the geographic scope of noise impacts from low-level overflights above parks and protected areas. *Journal of Environmental Management*, 348, 119201.
<https://doi.org/10.1016/j.jenvman.2023.119201>
- Jenkins, J. S., Abatzoglou, J. T., & **Peterson, B. A.** (2023). Spring Snowpack Influences on the Volume and Timing of Spring and Peak-Season Overnight Visitation to Yosemite Wilderness. *Weather, Climate, and Society*, 15(2), 365-379.
<https://doi.org/10.1175/WCAS-D-22-0099.1>
- Cochran, A., Sharp, R. L., **Peterson, B. A.**, Fefer, J., & Martin, C. (2022). Utilization of GPS Data Loggers and GIS Analysis for the Evaluation of Interpretive Signage to Influence Visitor Travel Patterns and Enhance Wayfinding in Parks and Protected Areas. *Journal of Interpretation Research*, 10925872221139778.
<https://doi.org/10.1177/10925872221139778>
- Peterson, B. A.**, Shively, R. D., Jackson, S. K., Rogowski, J., Beeco, J. A., & Joyce, D. (2022). Using ADS-B Data to Understand Overflight Altitude Characteristics at Hawai'i Volcanoes National Park. *The Professional Geographer*, 1-13.
<https://doi.org/10.1080/00330124.2022.2087697>
- Peterson, B. A.**, Brownlee, M. T., Beeco, J. A., Hallo, J. C., White, D. L., & Joyce, D. (2022). Spatiotemporal analysis to identify air tour travel patterns at Hawai'i Volcanoes National Park. *Journal of Outdoor Recreation and Tourism*, 37, 100476. <https://doi.org/10.1016/j.jort.2021.100476>
- Peterson, B. A.**, Sharp, R. L., Fefer, J. P., & Brunson, M. A. (2021). The Utility of GIS for Identifying Areas of Recreation Conflict for Targeted Interpretive Messaging. *Journal of Interpretation Research*, 25(2), 118-131.
<https://doi.org/10.1177/10925872211019731>
- Peterson, B. A.**, Fefer, J. P., Sharp, R. L., Brunson, M. M., & Skibins, J. C. (2021). To connect or not to connect: Visitor preferences for Wi-Fi and cellular network service at a national park. *Social Sciences & Humanities Open*, 4(1), 100179.
<https://doi.org/10.1016/j.ssaho.2021.100179>
- Nettles, J. M., Brownlee, M. T., Sharp, R. L., Blacketer, M. P., & **Peterson, B. A.** (2021). Seasonal and Destination-Based Variation in Visitor Travel Routes in a Designated Wilderness. *International Journal of Wilderness*.
- Peterson, B. A.**, Brownlee, M. T., Hallo, J. C., Beeco, J. A., White, D. L., Zajchowski, C. A., & Bowen, B. B. (2020). Grid Analysis of Visitor Travel Patterns in a Dispersed Outdoor Recreation Setting. *Journal of Park and Recreation Administration*. <https://doi.org/10.18666/JPra-2020-10646>
- Peterson, B. A.**, Brownlee, M. T., Hallo, J. C., Beeco, J. A., White, D. L., Sharp, R. L., & Cribbs, T. W. (2020). Spatiotemporal variables to understand visitor travel patterns: A management-centric approach. *Journal of Outdoor Recreation and Tourism*, 31, 100316. <https://doi.org/10.1016/j.jort.2020.100316>

- Peterson, B. A.**, Perry, E. E., Brownlee, M. T., & Sharp, R. (2020). The transient nature of concentrated use at a national park: A spatiotemporal investigation into visitor behavior. *Journal of Outdoor Recreation and Tourism*, 31, 100310. <https://doi.org/10.1016/j.jort.2020.100310>
- Jacobs, L. A., Blacketer, M. P., **Peterson, B. A.**, Levithan, E., Russell, Z. A., & Brunson, M. (2020). Responding to COVID-19 and future times of uncertainty: Challenges and opportunities associated with visitor use, management, and research in parks and protected areas. In *Parks Stewardship Forum* (Vol. 36, No. 3). <https://doi.org/10.5070/P536349860>
- Zajchowski, C. A., Brownlee, M. T., Blacketer, M. P., **Peterson, B. A.**, Craft, K., & Bowen, B. B. (2020). Rapid Resource Change and Visitor-Use Management: Social–ecological Connections at the Bonneville Salt Flats. *Environmental Management*, 1-15. <https://doi.org/10.1007/s00267-020-01309-1>
- Miller, L. B., Hallo, J. C., Dvorak, R. G., Fefer, J. P., **Peterson, B. A.**, & Brownlee, M. T. (2020). On the edge of the world: examining pro-environmental outcomes of last chance tourism in Kaktovik, Alaska. *Journal of Sustainable Tourism*, 1-20. <https://doi.org/10.1080/09669582.2020.1720696>
- Riungu, G. K., **Peterson, B. A.**, Beeco, J. A., & Brown, G. (2018). Understanding visitors' spatial behavior: a review of spatial applications in parks. *Tourism Geographies*, 20(5), 833-857. <https://doi.org/10.1080/14616688.2018.1519720>
- Peterson, B. A.**, Brownlee, M. T., & Marion, J. L. (2018). Mapping the relationships between trail conditions and experiential elements of long-distance hiking. *Landscape and Urban Planning*, 180, 60-75. <https://doi.org/10.1016/j.landurbplan.2018.06.010>

Published Peer-Reviewed Agency Technical Reports

* = Represents graduate student advisee or post-doc

- Peterson, B. A.**, Hutchinson, J. M. S., Gurung, B.*, & Beeco, J. A. (2025). Exploring Spatial Patterns of Overflights at Saguaro National Park. Science Report NPS/SR—2025/331. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2314311>
- Betchkal, D. H., Olstad, T. A., **Peterson, B. A.**, Hutchinson, J. M. S., & Beeco, J. A. (2025). Exploring Spatial Patterns of Overflights at Mount Rushmore National Memorial, Updated 2023–2024. Science Report NPS/SR—2025/330. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2314177>
- Peterson, B. A.**, Hutchinson, J. M. S., Gurung, B.*, & Beeco, J. A. (2025). Exploring spatial patterns of overflights at Acadia National Park. Science Report NPS/SR—2025/278. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2310324>
- Peterson, B. A.**, Hutchinson, J. M. S., Gurung, B.*, Olstad, T.A., & Beeco, J. A. (2025). Exploring spatial patterns of overflights at Glacier National Park. Science Report NPS/SR—2025/259. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2309483>

- Gurung, B.*, Hutchinson, J. M. S., **Peterson, B. A.**, Beeco, J. A., Anderson, S. J., & Joyce, D. (2025). Exploring spatial patterns of overflights at Haleakalā National Park. Science Report NPS/SR— 2025/224. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2308068>
- Peterson, B. A.**, Hutchinson, J. M. S., Gurung, B.*, Betchkal, D. H., & Beeco, J. A. (2025). Exploring spatial patterns of overflights at Denali National Park and Preserve. Science Report NPS/SR— 2025/220. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2307459>
- Gurung, B.*, Hutchinson, J. M. S., **Peterson, B. A.**, Beeco, J. A., Anderson, S. J., & Joyce, D. (2024). Exploring spatial patterns of overflights at Olympic National Park. Science Report NPS/SR— 2024/161. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2304991>
- Olstad, T. A., **Peterson, B. A.**, Hutchinson, J. M. S., Beeco, J. A., & Joyce, D. (2024). Exploring spatial patterns of overflights at Bryce Canyon National Park. Science Report NPS/SR—2024/149. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2304315>
- Peterson, B. A.**, Hutchinson, J. M. S., Gurung, B.*, Beeco, J. A., & Joyce, D. (2024). Exploring spatial patterns of overflights at Badlands National Park. Science Report NPS/SR—2024/115. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2303602>
- Peterson, B. A.**, Hutchinson, J. M. S., Gurung, B.*, Beeco, J. A., & Joyce, D. (2024). Exploring spatial patterns of overflights at Hawai'i Volcanoes National Park. Science Report NPS/SR—2024/114. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2303507>
- Peterson, B. A.**, Hutchinson, J. M. S., Gurung, B.*, Beeco, J. A., Anderson, S. J., & Joyce, D. (2023). Exploring spatial patterns of overflights at Grand Canyon National Park. Natural Resource Report NPS/GRCA/NRR—2023/2544. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2299660>
- Peterson, B. A.**, Hutchinson, J. M. S., Gurung, B.*, Beeco, J. A., Anderson, S. J., & Joyce, D. (2023). Exploring spatial patterns of overflights at Great Smoky Mountains National Park. Natural Resource Report NPS/GRSM/NRR— 2023/2518. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2299255>
- Gurung, B.*, **Peterson, B. A.**, Beeco, J.A., Anderson, S. J., & Joyce, D. (2023). Exploring spatial patterns of overflights at Lake Mead National Recreation Area. Natural Resource Report NPS/LAKE/NRR—2023/2489. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/2294919>
- Peterson B.A.**, Beeco J.A., Anderson S.J., & Joyce D. (2022). Exploring spatial patterns of overflights at Mount Rushmore National Memorial. Natural Resource Report. NPS/MORU/NRR—2022/2410. National Park Service. Fort Collins, Colorado. <https://doi.org/10.36967/nrr-2293663>

Agency Technical Reports

- Peterson, B. A.** (2021). *Understanding overflights at Haleakalā National Park*. Technical report submitted to the U.S. National Park Service. In fulfillment of Cooperative Agreement No. P21AS00320.
- Peterson, B. A.** (2021). *Understanding overflights at Hawai'i Volcanoes National Park*. Technical report submitted to the U.S. National Park Service. In fulfillment of Cooperative Agreement No. P21AS00320.
- Peterson, B. A., & Brownlee, M. T.** (2018). *Evaluation of human use on the Jordan River Trail between Indiana and California Avenue*. Technical report submitted to the Jordan River Foundation and the National Park Service Rivers, Trails, and Conservation Assistance Program in fulfillment of Project No. 51005355.
- Peterson, B. A., Brownlee, M. T., Sharp, R. L., & Cribbs, T.** (2018). *Visitor Use and Associated Thresholds at Buffalo National River*. Technical report submitted to the U.S. National Park Service. In fulfillment of Cooperative Agreement No. P16AC00194.
- Peterson, B. A., Brownlee, M. T., & Sharp, R. L.** (2017). *Understanding Visitor Use at Cumberland Island National Seashore: GPS Visitor Tracking*. Technical report submitted to the U.S. National Park Service. In fulfillment of Cooperative Agreement No. P16AC00449.
- Gatti, E., Brownlee, M. T., & **Peterson, B. A.** (2016). *Evaluating and Mapping Student Preferences for Trail Features along Red Butte Creek*. Technical report submitted to the Friends of Red Butte Creek.

Peer-Reviewed Book Review Publication

- Peterson, B. A.** (2023). Authentic Being and Self-Compassion: A review of *An Autoethnography of Fitting In: On Spinsterhood, Fatness, and Backpacker Tourism*. *Journal of AutoEthnography* 4(4): 597-600.

Awarded Research Grants

* = Represents post-doc advisee

- Peterson, B. A., Bonilla, M., Kohl, D., Stiles, C., & Menon, J.** (2026). *Brown v. Board Partnership for Public Programming and Educational Outreach*. This project supports programming of Brown v. Board of Education to help deliver organized, accessible, and locally meaningful annual programs across the Brown Five communities. Project budgeted at \$249,812 and awarded by the National Park Service; 5-year contract.

- Jackson, S. K., **Peterson, B. A.**, Bergtold, J., Hill-Sullins, N., & Cable, T. (2025). *Developing the 2027-2037 Kansas Statewide Comprehensive Outdoor Recreation Plan (SCORP): A Strategic Plan for Access, Sustainability, and Growth*. This project will distribute two surveys statewide in Kansas focused on understanding state park use and professional insight into current facility conditions, staffing, funding, programming, and priorities. Project budgeted at \$120,000 and awarded by Kansas Department of Wildlife and Parks; 2-year contract.
- Besenyi, G., Jackson, S. K., & **Peterson, B. A.** (2025). *Nature-based physical activity programming with military personnel and their families*. The aim of this project is to examine the feasibility and acceptability of nature-based physical activity programming with military personnel and their families. Budgeted at \$9,992 and awarded by Kansas State University; 1-year contract.
- Coffey, L. *, Jackson, S. K., & **Peterson, B. A.** (2025). *The Cascading Impact of Leave No Trace: Using Intentional Personnel Training to Empower Responsible Recreation in Yellowstone National Park*. This project will examine the impact of Leave No Trace educational messaging with seasonal concessionaire employees at Yellowstone National Park. Project budgeted at \$5,000 and awarded by the National Park Service; 1-year contract.
- Domenghini, J., **Peterson, B. A.**, Jackson, S. K., Domenghini, C., & Canfield, J. (2025). *Tree Plantings for Canopy Health and Community Engagement*. This project will implement science-based community forestry efforts by focusing on tree planting, tree care, and tree education and outreach within federally recognized Climate and Economic Justice areas of Manhattan, Kansas. Project budgeted at \$100,00 and awarded by Kansas State University; 2-year contract.
- Ferguson, L., **Peterson, B. A.**, & Jackson, S. K. (2025). *The role of Leave No Trace Soundscape Guidelines in enhancing visitor experience and environmental responsibility*. This project will test the efficacy of Leave No Trace Soundscape Guidelines at Saguaro National Park. Project budgeted at \$19,993 and awarded by Leave No Trace Center for Outdoor Ethics; 1-year contract.
- Peterson, B. A.** (2024). *Backcountry aircraft tracking and noise impacts at Cimarron National Grassland*. Research to advance ADS-B logger design and to understand aircraft noise impacts at Cimarron National Grassland. Project internally budgeted at \$4,500 and awarded through K-State's University Small Research Grant (USRG) opportunity; 1-year contract.
- Peterson, B. A.**, Perry, E. E., Thomas, A., & Sánchez, J. J. (2022). *Understanding the drivers and effects of recreation displacement in Southern California national forests*. Research to provide United States Forest Service managers with knowledge about drivers of recreation displacement, how they can more sustainably manage recreation, and provide equitable access for recreation opportunities. Project internally budgeted at \$507,459 with \$332,329.00 awarded to KSU; 4-year contract.

Peterson, B. A. & Hutchinson, J. M. S. (2021). *Aircraft tracking over National Park Service units*. Research to advance the National Park Service and Federal Aviation Administration's ability to effectively track commercial air tours over National Park Service units, to improve the data processing and reporting flow to park units, and to examine flight compliance. \$199,382.00 awarded; 4-year contract.

Peterson, B. A., & Meerts-Brandsma, L. (2016). *Recycling audit of the Annex building: a proposed grant submitted by the parks, recreation, and tourism sustainability committee*. The purpose of the project was to conduct a recycling audit of Annex C at the University of Utah. \$1,000 awarded; 1-year contract.

Unawarded Grant Proposals

* = Represents post-doc advisee

Peterson, B. A., Bergtold, J. S., Hill-Sullins, N., & Jackson, S. K. (2026). *Rural Economic Development Through Outdoor Recreation*. USDA AFRI grant; \$650,000.

Coffey, L.* & **Peterson, B. A. (2026).** *Experiencing Quiet: Visitor Values, Responsibility, and Intended Compliance with Leave No Trace Soundscape Guidelines in Grand Teton National Park*. UW-NPS Small Grants Program; \$5,000.

Coffey, L.*, **Peterson, B. A., & Jackson, S. K. (2025).** *Cultural soundscapes and visitor experience in Great Smoky Mountains National Park*. Carlos C. Campbell Memorial Fellowship Grant; \$7,500.

Peterson, B. A. (2025). *Reducing noise for visitors and birds: Human-Nature Connection and Ecological Outcomes of vehicle-free days on Cades Cove Loop*. James T. Tanner Memorial Fellowship Grant; \$14,986.

Peterson, B. A., Ferguson, L. A., & Jackson, S. K. (2025). *Visitor soundscape thresholds and Leave No Trace at Bears Ears National Monument in Utah*. Bureau of Land Management; \$44,798.

Liang, Y., Jackson, S. K. & **Peterson, B. A. (2025).** *From Classroom to Field: Applied Learning in Parks and Environmental Education*. Kansas State University Applied Learning Experiences Grant; \$4,504.

Peterson, B. A., Jackson, S. K., Ferguson, L. A., & Cable, T. T. (2024). *Promoting Leave No Trace Education at Trail Running Festivals*. Leave No Trace; \$19,925.

Peterson, B. A., Jackson, S. K., Besenyi, G., Baptist, J., Ferraro, A., & DeGroat, A. (2024). *Military Families Outdoor Program*. National Park Service; \$805,251.

Besenyi, G., Lu, M. X., & **Peterson, B. A. (2024).** *Advancing technology-based metrics and tools that identify and promote environmental justice in urban parks and greenspace to address health disparities*. National Institute of Health; \$2,480,369.

Hill, N., Bergtold, J., Sullins, D., Joslin, A., Caldas, M., & **Peterson, B. A. (2024).** *An integrated valuation to strategically strengthen CRP policy and delivery to support wildlife, agricultural, and community resilience in the Southern Great Plains*. United States Department of Agriculture; \$2,192,813.

- Peterson, B. A.**, Ahlers, A. A., & Boyer, C. R. (2024). *Seasonal Natural and Cultural Resource Management Program Support on United States Air Force Installations*. Department of the Army; \$1,347,194.
- Peterson, B. A.** & Wei, M. (2024). *Development of a Deep Learning Model for Comprehensive and Real-Time Analysis of Acoustic Data*. Kansas State University; \$182,103.00
- Peterson, B. A.**, Wei, M., & Hutchinson, J. M. (2023). *Application of a Deep Learning Approach to Automate Analysis of Acoustic Monitoring Data for Sound Source Identification at National Parks*. National Park Service; \$358,863
- Fernandez, M., **Peterson, B. A.**, & Harris, B. (2021). *Latinx Youth in a Bordertown: The Politics of Social Inclusion*. William T. Grant Foundation; \$135,000
- Peterson, B. A.**, Fefer, J., Randolph, L.G., & Sharp, R. (2021). *Using Social Science to Inform Human Dimensions of Natural Resource Management and Policy at the Sacramento-San Joaquin Delta*. California Sea Grant; \$133,220
- Sharp, R. & **Peterson, B. A.** (2020). *Research to Understand Visitor Travel Patterns at a Remote Backcountry Setting: The Tuweep Area of Grand Canyon National Park*. National Park Service; \$87,455
- Fefer, J., Sharp, R., **Peterson, B. A.** (2020). *Understanding base-line ecological conditions, impacts of visitor use, and developing visitor use monitoring protocols for The Flint Hills Preserve*. The Nature Conservancy; \$105,336
- Peterson, B. A.**, Brosi, S., Zajchowski, C., Hill, E., Fefer, J., Sharp, R., & Wimpey, J. (2020). *Monitoring Recreation Use and Ecological Impacts at Cliff Resources in Harpers Ferry National Historical Park*. National Park Service; \$98,201

Conference Presentations

* = Represents graduate student advisee, undergraduate advisee, or post-doc

- Giri, P. *, Gurung, B. *, Krzemien, S., Budzyn, E., Fleming, S., **Peterson, B. A.**, Perry, E. E., Thomas, A., Sánchez, J., & Drury, S. (2026). Understanding recreation displacement across multiple forests: Findings from four complementary studies. *National Outdoor Recreation Conference*.
- Ferguson, L. A., **Peterson, B. A.**, Frisbie, A., Bremser, K. *, Jackson, S. K., & Beeco, J. A. (2026). Enhancing Park experiences through soundscape stewardship: Assessing Leave No Trace Guidelines. *National Environment & Recreation Research Symposium*.
- Perry, E. E., **Peterson, B. A.**, Thomas, A., & Sánchez, J. (2026). From draw to withdrawal: Linking recreation site attributes, motivations, and displacement. *National Environment and Recreation Research Symposium*.
- Giri, P. *, Bremser, K. *, **Peterson, B. A.**, Coffey, L. *, Jackson, S. K., Ferguson, L. A., Hood, L., & Rucker, J. * (2026). Does soundscape messaging influence visitor restoration? A field experiment at Konza Prairie Biological Station. *Kansas Natural Resources Conference*.

- Bremser, K.*, Giri, P.*, **Peterson, B. A.**, Coffey, L.*, Jackson, S. K., Ferguson, L. A., Sánchez, J. J., & Rucker, J.* (2026). An experimental approach to understand how noise impacts avian diversity at Cimarron National Grassland. *Kansas Natural Resources Conference*.
- Perry, E., **Peterson, B. A.**, Thomas, A., & Sánchez, J. (2026). From draw to withdrawal: Linking recreation site attributes, motivations, and displacement. *National Environment and Recreation Research Symposium conference*.
- Krzemien, S., Budzyn, E., Perry, E., Thomas, A., Sanchez, J., & **Peterson, B. A.** (2025). Recreating together: Displacement types and how they vary in multigenerational households. *George Wright Society Park Forum Conference*.
- Bremser, K.*, **Peterson, B. A.**, Ferguson, L. A., Jackson, S. K., Coffey, L.*, Hood, L. & Rucker, J.* (2025). An experimental approach to increase visitors' awareness of the natural soundscape and well-being at a Great Plains protected area. *Noise Conference*.
- Bremser, K.*, Coffey, L.*, **Peterson, B. A.**, Jackson, S. K., Ferguson, L. A., Sánchez, J. J., Bergtold, J., & Rucker, J.* (2025). Impact of noise on avian diversity and human sound perception at Cimarron National Grassland during a recreational event. *Kansas Natural Resources Conference*.
- Budzyn, E., Perry, E., Zwickle, A., Miesel, J., Sánchez, J., Thomas, A., & **Peterson, B. A.** (2023). Are southern California recreationists fire-tired? Exploring message fatigue and perceived risk levels of national forest visitors. *Society for Risk Analysis conference*.
- Hutchinson, J. M. S., **Peterson, B. A.**, Gurung, B.*, Beeco, J. A., Anderson, S., Betchkal, D., & Joyce, D. (2023). Developing a GIS toolbox for automating processing and analysis of low-level aircraft overflights at U.S. National Parks. *American Association of Geographers Great Plains/Rocky Mountain conference*.
- Gurung, B.*, **Peterson, B. A.**, Beeco, J. A., Anderson, S., Hutchinson, J. M. S., Betchkal, D., Joyce, D., & Deeds, W. (2023). Using ADS-B data to track low-level overflights at protected areas. *International Association for Society and Natural Resources conference*.
- Betchkal, D., Beeco, J. A., Anderson, S., Deeds, W., Joyce, D., Gurung, B.*, **Peterson, B. A.**, & Hutchinson, J. M. S. (2023). Using aircraft tracking data to estimate the noise impacts of low-level overflights above parks and protected areas. *International Association for Society and Natural Resources conference*.
- Thomas, A., Gurung, B.*, **Peterson, B. A.**, Sánchez, J., & Perry, E. E. (2023). Examining visitor non-compliance across a variety of national forest closures. *International Association for Society and Natural Resources conference*.
- Gurung, B.*, Fleming, S., **Peterson, B. A.**, Drury, S., Thomas, A., Perry, E. E., & Sánchez, J. (2023). Identifying spatiotemporal intersections of high fire potential and high visitation rates to understand visitor displacement characteristics. *International Association for Society and Natural Resources conference*.
- Perry, E. & **Peterson, B. A.** (2023). Regional relevance of a cultural site: Leverage points identified through spatial-social network analysis. *National Environment and Recreation Research Symposium conference*.

- Gurung, B.*, **Peterson, B. A.**, Beeco, J. A., Hutchinson, J. M. S., Anderson, S., Deeds, W., Joyce, D., & Betchkal, D. (2022). Using ADS-B data to track low-level overflights at protected areas. *National Outdoor Recreation Conference*.
- Peterson, B.A.**, Sharp, R.L., Fefer, J.P. Brunson, M. (2022). The utility of GIS for identifying areas of recreation conflict for targeted interpretive messaging. *16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region*.
- Henry, C., Fefer, J., **Peterson, B. A.**, Scrugs, C., Zajchowski, C., & Rogowski, J. (2022). Using mobile device data to document use in two urban-proximate national parks. *The National Environment and Recreation Research Association annual conference*.
- Perry, E. & **Peterson, B. A.** (2021). Identifying opportunities for small cultural parks to build regional relevance: A social and spatial network analysis approach to measures of leverage. *American Association of Geographers conference*.
- Peterson, B. A.** & Brownlee, M., (2019). Understanding visitors' spatial behavior: a review of spatial applications in parks and protected areas. *American Association of Geographers conference*.
- King, R., Leroux, E., Matthew, B., **Peterson, B. A.**, & Hallo, J., (2019). Beyond the hospital: outcomes of visiting a cancer survivors park for cancer and non-cancer related users. *Southeastern Recreation Research Conference*.
- Perry, E., **Peterson, B. A.**, Cribbs, T., Sharp, R., & Brownlee, M., (2019). Visitors' preferences for crowding conditions in wilderness and non-wilderness stretches of the Buffalo National River. *Southeastern Recreation Research Conference*.
- Wilson, T., Hallo, J., Dvorak, R., Fefer, J., **Peterson, B. A.**, & Miller, L., (2019). Occurrences and experiential outcomes of last chance tourism in arctic Alaska. *Southeastern Recreation Research Conference*.
- Miller, L., Hallo, J., Dvorak, R., Fefer, J., Wilson, T., & **Peterson, B. A.**, (2019). On the edge of the world: Examining pro-environmental outcomes of a last chance tourism experience in Kaktovik, Alaska. *Southeastern Recreation Research Conference*.
- Peterson, B. A.**, & Brownlee, M., (2019). Tools for determining Outdoor Recreationists' spatial behavior in a variety of settings. *The Academy of Leisure Sciences' conference*.
- Blacketer, M., Zajchowski, C., **Peterson, B. A.**, & Brownlee, M., (2018). Recreation solubility: The dynamic relationship between salt crust moisture, spatial travel patterns, and visitor experience indicators at the Bonneville Salt Flats. *International Symposium for Society & Resource Management conference*.
- Peterson, B. A.**, Brownlee, M., & Sharp, R. L. (2017). Using GPS Visitor Tracking to evaluate visitor travel patterns at Cumberland Island National Seashore. *National Outdoor Recreation Conference*.
- Neild, M., **Peterson, B. A.**, & Brownlee, M. (2017). Using motion-activated photography to evaluate physical activity in parks. *National Outdoor Recreation Conference*.
- Peterson, B. A.**, Brownlee, M., & Sharp, R.L. (2017). The application of GPS visitor tracking to determine seasonal ranger presence at Cumberland Island National Seashore. *George Wright Society Conference*.

- Peterson, B. A.**, Brownlee, M., & Marion, J. (2017). Mapping the relationships between trail conditions and experiential elements of long-distance hiking. *George Wright Society Conference*.
- Neild, M., **Peterson, B. A.**, & Brownlee, M. (2017). Using motion-activated photography to evaluate physical activity in parks. *George Wright Society Conference*.
- Cribbs, T., Sharp, R.L., Brownlee, M., & **Peterson, B. A.** (2017). Temporal and spatial distribution of visitor use and associated impacts at Buffalo National River. *George Wright Society Conference*.
- Jones, C., & **Peterson, B. A.** (2017). University of Utah George Wright Society student chapter poster presentation. *University of Utah's Global Change and Sustainability Center Research Symposium conference*.
- Peterson, B. A.**, Brownlee, M., & Sharp, R. (2017). Using GPS Visitor Tracking to evaluate visitor travel patterns at Cumberland Island National Seashore. *University of Utah's Global Change and Sustainability Center Research Symposium conference*.
- Peterson, B. A.**, Brownlee, M., & Marion, J. (2016). Spatially mapping the relationship between trail conditions and the long-distance hiking experience on the northern section of the Appalachian Trail. *National Outdoor Recreation Conference*.
- Gatti, E., **Peterson, B. A.**, & Brownlee, M. (2016). Evaluating and mapping student preferences for trail features and potential uses in the Red Butte Creek riparian corridor. *University of Utah's Global Change and Sustainability Center Research Symposium conference*.

Research Projects

Developing the 2027-2037 Kansas Statewide Comprehensive Outdoor Recreation Plan (SCORP): A strategic plan for access, sustainability, and growth (Jackson, S. K., **Peterson, B. A.**, Bergtold, J., Hill-Sullins, N., Cable, T.). Kansas State University. The purpose of this research is to take a comprehensive, forward-thinking approach to improving outdoor recreation across Kansas. **Peterson:** Co-Investigator

The cascading impact of Leave No Trace: Using intentional personnel training to empower responsible recreation in Yellowstone National Park (Coffey, L., Jackson, S. K., **Peterson, B. A.**). Kansas State University. The purpose of this research is to understand the perceptions of barriers to provide Leave No Trace training to concessionaire seasonal employees at Yellowstone National Park. **Peterson:** Co-Investigator.

Tree plantings for canopy health and community engagement. (Domenghini, J. C., **Peterson, B. A.**, Jackson, S. K., Domenghini, C., Canfield, J.). Kansas State University. The purpose of this project is to plant 100 street trees in three disadvantaged neighborhoods within Manhattan, Kansas and to conduct an outreach component to cultivate community engagement with the long-term maintenance of the trees. **Peterson:** Co-Investigator.

Nature-based physical activity programming with military personnel and their families. (Besenyi, G., **Peterson, B. A.**, Jackson, S. K.). Kansas State University. Research to collect pilot data examining the feasibility and acceptability of nature-based physical activity programming with military personnel and their families. **Peterson:** Co-Investigator.

Preserving silence: The role of Leave No Trace Soundscape Guidelines in enhancing visitor experience and environmental responsibility. (Ferguson, L. A., **Peterson, B. A.**, Jackson, S. K.). University of New Hampshire and Kansas State University. Research to test the efficacy of Leave No Trace Soundscape Guidelines at Saguaro National Park. **Peterson:** Co-Investigator

Backcountry Aircraft Tracking and Noise Impacts at Cimarron National Grassland. (**Peterson, B. A.**). Kansas State University. Research to advance ADS-B logger construction and to understand overflight noise impacts at Cimarron National Grassland. **Peterson:** Lead PI

Visitor Preferences for Experimental Treatments to Increase Visitor Awareness of the Natural Soundscape. (**Peterson, B. A.**, Jackson S. K., Ferguson, L., & Bremser, K.). Konza Prairie Biological Station. Research to test experimental treatments designed to increase visitor awareness for natural sounds and visitor perceptions of soundscape restoration. **Peterson:** Lead PI.

Natural Soundscapes of National Grasslands: Investigating Visitor Perceptions and Values Regarding Bird Choruses at Cimarron National Grassland. (**Peterson, B. A.**, Jackson, S. K., & Bremser, K.). Cimarron National Grassland. Research to understand the acoustic environment, perceptions of the acoustic environment, and visitor preferences for soundscape mitigation strategies. **Peterson:** Lead PI.

Exploratory Mixed Methodology to Understand Visitor Use and Perceptions at a National Grassland (Bremser, K., **Peterson, B. A.**, Jackson, S. K., Shively, R.). United States Forest Service. Research to understand visitor types at Cimarron National Grassland and their desired tangible and intangible resources for a quality experience. **Peterson:** Lead PI.

Understanding the drivers and effects of recreation displacement in Southern California national forests (**Peterson, B. A.**, Perry, E., Thomas, A., Sánchez, J.). United States Forest Service. Research to identify areas with high potential for fire-related closures and high visitation, social and environmental attributes to maintain during displacement, and messaging that resonates with diverse populations about alternate recreation experiences at four southern California national forests. **Peterson:** Lead PI.

Using ADS-B data to explore overflight travel patterns at national park units (**Peterson, B. A.** & Hutchinson, J. M. S.). National Park Service. Research to advance the National Park Service and Federal Aviation Administration ability to effectively track commercial air tours over National Park Service units and to improve the data processing and reporting flow to park units. **Peterson:** Lead PI.

Research to inform visitor use management and planning at National Capital Region Park (Fefer, J.) National Park Service. Social science research to understand visitor use management in an urban region. **Peterson:** Data collection, analysis.

Assessing trail and river use at Mammoth Cave National Park (Brownlee, M., Sharp, R.). National Park Service. Social science research to understand visitor use management. **Peterson:** Data collection.

Examining the social carrying capacity for mariculture development on the South Carolina coast (Norman, W., Duffy, L., Hallo, J., Jodice, L.). South Carolina Sea Grant Consortium, and Clemson University. Research to investigate social constraints, barriers, and hurdles to oyster mariculture in South Carolina. **Peterson:** Analysis, reporting.

Examining commercially-guided, boat-based polar bear viewing (Hallo, J., Dvorak, B.). Arctic National Wildlife Refuge. Social science research to support the implementation of a visitor use management strategy for commercially-guided, boat-based polar bear viewing in the Arctic National Wildlife Refuge. **Peterson:** Analysis.

Beyond the hospital: Outcomes of visiting a cancer survivors park for cancer and non-cancer related users. (Hallo, J.). Cancer Survivors Park Greenville, South Carolina. Research to inform managers about users, user perceptions, benefits, personal expectations, and outcomes of visiting the park. **Peterson:** Analysis.

Adaptation, mitigation, and biophysical feedbacks in the changing Bonneville Salt Flats (Bowen, B., Brownlee, M., Brazelton, B., & Harman, C.). The National Science Foundation, University of Utah, Clemson University, and the Bureau of Land Management. Research to evaluate the social and biophysical reciprocity in the changing Bonneville Salt Flats. **Peterson:** Analysis.

Evaluation of the relationship between current conditions, travel patterns, visitor thresholds, and ferry services at Cumberland Island National Seashore (Brownlee, M. & Sharp, R.). Clemson University, Kansas State University, and the U.S. National Park Service. Research to inform visitor use management and concessionaire planning at Cumberland Island National Seashore. **Peterson:** Data collection.

Research to inform visitor use management at Theodore Roosevelt National Park (Sharp, R., Brownlee, M., & Bricker, K.). Kansas State University, University of Utah, Clemson University, and the U.S. National Park Service. Research to inform visitor use management at Theodore Roosevelt National Park. **Peterson:** Data collection.

Evaluation of human use and health outcomes on the Jordan River Trail before and after infrastructure improvement (Brownlee, M.). University of Utah, Intermountain Healthcare, and the Jordan River Foundation. Research to evaluate frequency, duration, type, and distribution of use on key sections of the Jordan River Trail before and after infrastructure improvement. **Peterson:** Data collection, analysis, reporting.

Temporal and spatial distributions of visitor use and associated impacts on natural and social conditions at Buffalo National River (Brownlee, M. & Sharp, R.). University of Utah, Kansas State, and the U.S. National Park Service. Research to gather baseline information to help support visitor use management planning at Buffalo National River. **Peterson:** Data collection, analysis, reporting.

Farmington City Trails (Peterson, 2016). University of Utah. Research to determine official trails and map trails for the city of Farmington, UT, which culminated with 62 trail maps that included urban and wilderness trails to be included in a Farmington City trail guidebook. **Peterson:** Lead PI, data collection, analysis, reporting.

Understanding visitor use at Cumberland Island National Seashore (Brownlee, M. & Sharp, R.). University of Utah, Kansas State, and the U.S. National Park Service. A specific understanding of visitor use patterns in the primary visitation areas (e.g. the south end of the island) was needed to inform future planning efforts. Research to conduct the tracking of visitor use (e.g. GPS) in areas of high visitation to determine visitor travel patterns. **Peterson:** Data collection, analysis, reporting.

Mapping the relationships between trail conditions and experiential elements of long-distance hiking (Peterson, B., Brownlee, M., & Marion, J.). University of Utah and Virginia Tech University. Research to identify how trail conditions influence particular elements of the long-distance hiker's experience, and to index and spatially map these relationships. **Peterson:** Data collection, analysis, reporting.

Research to Evaluate and Manage Visitor Impacts to the Appalachian Trail (Marion, J.). Virginia Tech. This research provided measurements of the nature and severity of visitor impacts and the sustainability of the trail, overnight shelter and campsites, and day-use recreation sites at sampled segments of the A.T. Principal products include a quantitative characterization and documentation of baseline conditions, relational analyses and evaluations of attributes related to the sustainability of the trail's alignments and camping locations, and science-based guidance for improving the selection and professional management of the trail's alignments and campsites. **Peterson:** Data collection.

Evaluating and mapping student preferences for trail features and potential uses in the Red Butte Creek riparian corridor (Brownlee, M.). University of Utah and Friends of Red Butte Creek. Research to identify, evaluate, and map University of Utah student preferences for a) general trail features, b) potential trail routes, c) indicators of quality, d) trail access, and e) potential uses of the Red Butte Creek riparian corridor located southwest of Bonneville Shoreline Trail and northeast of Foothill Drive. This purpose aligns with the research objective to spatially map social preference data in order to outline, compare, and propose the three most socially desirable trail routes in the Red Butte Creek riparian corridor. **Peterson:** Data collection, analysis.

A Comprehensive Survey of OHV Riders in Utah: Benefits Based Analysis and Economic Impact (Brownlee, M.). 2014. University of Utah and the Utah Department of Natural Resources (Division of State Parks and Recreation; OHV Program). Research to evaluate riders' desired benefits, perceived availability of amenities, and monetary expenditures. **Peterson:** Data collection.

Extension Projects

Brown v. Board Partnership for Public Programming and Educational Outreach (Peterson, B. A., Bonilla, M., Kohl, D., Stiles, C., & Menon, J.). Kansas State University. The purpose of this project is to support programming at the five Brown v. Board of Education communities. **Peterson:** Lead PI

Professional Presentations of Research Findings

Preserving silence: The role of Leave No Trace Soundscape Guidelines in enhancing visitor experience and environmental responsibility (2025). Presented to Leave No Trace Center for Outdoor Ethics.

Exploring Spatial Patterns of Overflights at Olympic National Park (2023). Presented to the U.S. National Park Service.

Exploring Spatial Patterns of Overflights at Badlands National Park (2023). Presented to the U.S. National Park Service.

Exploring Spatial Patterns of Overflights at Grand Canyon National Park (2023). Presented to the U.S. National Park Service.

Exploring Spatial Patterns of Overflights at Great Smoky Mountains National Park (2023). Presented to the U.S. National Park Service.

Exploring Spatial Patterns of Overflights at Lake Mead National Recreation Area (2022). Presented to the U.S. National Park Service.

Understanding overflights at Mount Rushmore National Memorial (2021). Presented to the U.S. National Park Service.

Spatiotemporal analysis to identify air tour travel patterns at Hawai'i Volcanoes National Park (2020). Presented to the U.S. National Park Service.

Examining the social carrying capacity for mariculture development on the South Carolina coast (2019). Presented to South Carolina coastal stakeholders.

Temporal and spatial distributions of visitor use and associated impacts on natural and social conditions at Buffalo National River (2018). Presented to the U.S. National Park Service.

Understanding visitor use at Cumberland Island National Seashore (2016). Presented to the U.S. National Park Service.

Graduate Student Advisees

Conversino, Nick. (2026-). MS student. Kansas State University.

Giri, Pravin. (2025-). PhD student. Kansas State University.

Bremser, Katharina. (2024-). PhD student. Kansas State University.

Gurung, Bijan. (2021-2025). Advancing GIS Analysis and Econometric Modeling for Monitoring Natural Resources and Visitors' Preferences in Parks and Forests. *Doctor of Philosophy: Park Management and Conservation*. Kansas State University.

Bremser, Katharina. (2023-2024). An exploratory study to understand visitor typologies and desired resources at Cimarron National Grassland. *M.S.: Park Management and Conservation*. Kansas State University.

Service on PhD Committees

Hicks, Russell. Kansas State University; Park Management and Conservation (anticipated graduation 5/2026)

Service on Master's Committees

Beckman, Reece. Kansas State University; Park Management and Conservation (anticipated graduation 5/2027).

Hood, Layla. Kansas State University; Park Management and Conservation (anticipated graduation 5/2027).

Frisbie, Anna. University of New Hampshire; Recreation and Management Policy (anticipated graduation 5/2026).

Peat, Evelyn. Kansas State University; Park Management and Conservation (anticipated graduation 5/2026).

Williamson, Benjamin. Kansas State University; Landscape Architecture. *Three municipal park system case studies: Relative comparison of public participation/volunteerism impact on park system vision, budgets, and operations*. 2025.

Ward, Joseph. Kansas State University; Park Management and Conservation. *Investigating visitor behavior in relation to Leave No Trace practices*. 2023.

Cochran, Amy. Kansas State University; Park Management and Conservation. *Evaluation of visitor travel patterns after signage manipulation at the Tallgrass Prairie Preserve*. 2021.

Wilson, Tana. Clemson University; Parks, Recreation, and Tourism Management. *Occurrences and experiential outcomes of last chance tourism in Arctic Alaska*. 2019.

Miller, Lauren. Clemson University; Parks, Recreation, and Tourism Management. *On the edge of the world: examining pro-environmental outcomes of last chance tourism in Kaktovik, Alaska*. 2019.

Postdoctoral Scholar Advisee

Coffey, Leah (2024-2027). Three-year postdoc commitment.

Student Clubs

- Advisor of the Wildcat Waste Warriors
- Co-advisor of the George Wright Society Student Club

Awards

Teaching Award of Merit (2026). North American Colleges and Teachers of Agriculture in recognition of meritorious efforts in college teaching.

Peterson, B. A., Perry, E., Thomas, A., Sánchez, J. (2025). United States Forest Service Chief's Honors Award for research conducted at four national forests in Southern California.

Developed Software

Hutchinson, J. M. S. & **Peterson B. A.** (2023). ADS-B Overflight Analysis Toolbox (Version 1.0.1) [Computer software]. <https://doi.org/10.5281/zenodo.8011754>

Delivered Workshops

Peterson, B. A. (2020). GIS Workshop at Kansas State University. This workshop provided students with an advanced skillset to conduct GIS analyses within the scope of visitor use management.

Editorial Boards

Journal of Park and Recreation Administration: Associate Editor (2023 – present)

Science Teams

Leave No Trace: <https://lnt.org/our-work/research/#scienceteam>

Courses Taught

HORT 951 – Graduate Seminar. Kansas State University, Fall & Spring 2026- .

PMC 475 – Natural History for Park Professionals. Kansas State University, Fall, 2024-2026.

PMC 620 – Park Planning and Design. Kansas State University. Spring, 2024-2026.

HORT 880 – Overflight Acoustic Monitoring. Kansas State University. Fall, 2023.

PMC 580 – Park Operations and Maintenance Management. Kansas State University. Fall, 2021, 2023.

FOR 741A – Visitor Use Management Research Methods. Kansas State University. Summer, 2023.

FOR 741A - Visitor Use Management GIS. Kansas State University. Spring, 2021.

PMC 810 - Quantitative research methods in park management and conservation. Kansas State University. Fall, 2020. (co-taught with Dr. Jessica Fefer)

Recreation Resource Planning in Forest Management. Clemson University. Fall, 2019.

Data Analysis in Parks, Recreation, and Tourism Management. Clemson University, Spring, 2019.

Parks, Recreation, and Tourism Management Recreation Research II (Honors). Clemson University, Spring, 2019.

University Service

Graduate Student Council (2026-). Serving on the Assessment and Review Committee.

College of Agriculture Representative for Military-Affiliated Students (2026-).

Student Scholarships, Awards, and Fellowships

Bremser, Katharina (2024-2026). Timothy R. Donoghue Graduate Scholarship

Gurung, Bijan (2024). Natural Resources and Environmental Sciences Fellowship

Rucker, Justus (2024). McNair Scholars Program

Rucker, Justus (2024). Undergraduate Research Amplification Project

Advisory Groups

National Parks Overflights Advisory Group

- National Park Service and Federal Aviation Administration
 - **Peterson:** Environmental Representative. 2025-present.

Honorary Society

Gamma Sigma Delta K-State Chapter: <https://www.ag.k-state.edu/about/faculty-staff-resources/gamma-sigma-delta/>

Board Positions

Board Member, *Mount Mitchell Heritage Prairie Park*. 2021-present.

Mount Mitchell is a National Park Service Network to Freedom Site, a Native American sacred site, and a Star Attraction of the Freedom's Frontier National Heritage Area.

- **Highlight:** Led the non-profit towards pursuing the International Dark-Sky Association Designation.

Board Member, *George Wright Society Board*. 2020-2022.

The George Wright Society promotes protected area stewardship by bringing practitioners together to share their expertise.

- **Highlight:** Developed the Socioenvironmental Justice Award.

Graduate Student Representative to the Board of Directors, *George Wright Society Board*. 2017-2020.

- **Highlight:** Hosted three Student Summit events.