

# Madeline C. Aberg, PhD

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## Professional Experience

### Assistant Professor

Biology Department 2025 – present  
Augsburg University, Minneapolis, MN

### Visiting Assistant Professor, Conservation Biology

Biology and Chemistry Department  
Warren Wilson College, Asheville, NC 2024 – 2025

### Postdoctoral Scholar

Department of Forest Ecosystems and Society  
Oregon State University, Corvallis, OR 2023 –2024

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## Education

**Boise State University**, Boise, Idaho, August 2018 – May 2023

**Ph.D., Ecology, Evolution, and Behavior**; Advisor: Dr. Jay Carlisle

**Dissertation:** *A coupled human and natural systems approach to studying recreation on public lands*

**Boise State University**, Boise, Idaho, August 2019 – May 2022

**Graduate Certificate in College Teaching**; Advisor: Dr. Megan Frary

**Gustavus Adolphus College**, Saint Peter, Minnesota, September 2013 – May 2017

**Bachelor of Arts in Honors Biology**; Advisor: Dr. Jon Grinnell

**Thesis:** *Predicting the effect of various management strategies on inbreeding frequency in American bison (Bison bison)*

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## Teaching Experience

**Augsburg University**, Minneapolis, MN

*Assistant Professor*

BIO102: The Biological World, Fall Semester 2025

BIO102L: The Biological World Lab, Fall Semester 2025

BIO152: Evolution, Ecology, and Diversity, Fall Semester 2025

**Warren Wilson College**, Asheville, NC

*Visiting Assistant Professor*

BIO 1050: Ecology for Everyone, Fall Semester 2024

BIO 2020: Ecology, Fall Semester 2024, Spring Semester 2025

BIO 3100: Conservation Biology, Spring Semester 2025

BIO 4721: Human Dimensions of Conservation, Fall Semester 2024

## **Oregon State University, Corvallis, OR**

### *Postdoctoral Teaching Associate*

TRAL 251: Recreation Resource Management, Spring Term 2024, Ecampus

TRAL 456: Planning for Sustainable Recreation, Winter Term 2024

TRAL 530: Outdoor Recreation Monitoring and Management, Winter Term 2024, Ecampus

## **Boise State University, Boise, ID**

### *Lab Instructor*

Honors BIOL 191-Biology I: Cell and Molecular, Fall Semester 2021, 2022

BIOL 191-Biology I: Cell and Molecular, Fall and Spring Semester 2018 - 2021

## **Gustavus Adolphus College, Saint Peter, MN**

### *Teaching Assistant*

BIO 202 – Evolution, Ecology, & Behavior, Spring Semester 2016, 2017

HES 235 - Anatomy & Physiology II, Spring Semester 2017,

BIO 101 – Principles of Biology, Fall Semester 2014, 2016

BIO102 – Organismal Biology, Spring Semester 2015

## **Curriculum Design**

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- 2024      ***TRAL 351: Outdoor Recreation Management on Public Lands***, Oregon State University Ecampus
- Developed an online unit focused on recreation ecology for an undergraduate course in the Tourism, Recreation, and Adventure Leadership degree.
- 2024      ***TRAL 456: Planning for Sustainable Recreation***, Oregon State University Ecampus
- Developed an online version of the capstone course for the undergraduate Tourism, Recreation, and Adventure Leadership degree. Completed a six-week “Developing an Online Course” workshop and designed the course to meet the University’s standards.
- 2021      ***GEM3 Lab Module: Habitat Use of Humans & Wildlife***, BIOL 100: Concepts of Biology, Boise State University
- Designed a two-hour lab module for an introductory biology lab for non-majors. Students consider how they select habitat for outdoor recreation, apply the scientific method to investigate how wildlife use habitat in the sagebrush-steppe using data and procedures from Boise State Researchers. Prepared Lab Instructors to deliver the lab module.
  - Materials: Lab manual with introductory material, questions, procedure; instructor instructions, supply list, and ideas for adapting or expanding the activity; PowerPoint template
- 2020      ***Adopt A Scientist Field Station: How do humans impact the ecosystem and how can we manage these effects? Focusing on recreational use on Idaho’s public lands***, 7<sup>th</sup> - 8<sup>th</sup> grade students
- Designed an interactive field station for 7<sup>th</sup> - 8<sup>th</sup> graders to explore how human activities, especially outdoor recreation, impact the sagebrush-steppe ecosystem. Students consider how understanding what activities recreationists participate in

and what motivates them can help us manage their impacts, then interview their classmates.

- Materials: Lesson plan, questionnaire for interview activity

## Guest Lectures

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- 2025      *“Data for managing recreation in parks and protected areas.”* February 2025. BIO 4721: Topics in Conservation Biology – Ecological Data for Conservation, Warren Wilson College, Asheville, North Carolina.
- 2024      *“Perceptions of recreation impacts and management among outdoor recreationists, managers, and biologists.”* September 2024. SOC 2710: Environmental Sociology, Warren Wilson College, Asheville, North Carolina.
- 2021      *“Studying Human Behavior to Inform Conservation.”* June 2021. Desert Studies Institute, Boise State University, Boise, Idaho.
- 2020      *“Studying Human Behavior to Inform Conservation Goals.”* April 2020. BIOL 422/522: Conservation Biology, Boise State University, Boise, Idaho.

## Mentoring

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### *Undergraduate Students*

- 2024      **Lucas Reynolds**, Advisor, Natural Science Undergraduate Research Sequence, Warren Wilson College, Asheville, North Carolina. Project: Investigating Pattern Identification Software as a Novel Tool in Population Monitoring of Eastern Newts.
- Terrestrial Biodiversity Team** (12 students), Co-advisor, Natural Science Undergraduate Research Sequence, Warren Wilson College, Asheville, North Carolina. Project: The effect of windthrow from Hurricane Helene on Terrestrial Biodiversity in Western North Carolina.
- 2023      **Conner Wanless**, Mentor, Mentored Employment Program, Department of Forest Ecosystems and Society, Oregon State University, Corvallis, Oregon. Project: Predicting visitor encounter rates on a popular hiking trail. Presented at Mentored Employment Program Symposium 2024.
- Donovan Belardes**, Mentor, Visitor Use Management Internship at Big Basin Redwoods State Park, Oregon State University, Corvallis, Oregon. Project: Visitor Use Monitoring.
- Conner Wanless**, Mentor, Visitor Use Management Internship at Big Basin Redwoods State Park, Oregon State University, Corvallis, Oregon. Project: Visitor Use Monitoring.
- 2021      **Lucian Davis**, Co-mentor with Dr. Jay Carlisle, Raptor Research - Research Experience for Undergraduates, Boise State University, Boise, Idaho. Project: Effects of recreation on raptors and ravens. Presented at Idaho Conference on Undergraduate Research 2021. Contributing author on *Journal of Wildlife Management* manuscript (Aberg et al. 2024).

**Richard Mervin**, Co-mentor with Dr. Jay Carlisle, Louis Stokes Alliance for Minority Participation Research Experience for Undergraduates, Boise State University, Boise, Idaho. Project: Effects of recreation on mammalian scavengers. Presented at Idaho Conference on Undergraduate Research 2021. Contributing author on *Journal of Wildlife Management* manuscript (Aberg et al. 2024).

2020 **Taegan Wyatt**, Co-mentor with Dr. Jay Carlisle, Louis Stokes Alliance for Minority Participation Research Experience for Undergraduates, Boise State University, Boise, Idaho. Project: Effects of vegetation on horned lark nesting success. Presented at Idaho Conference on Undergraduate Research 2020.

## Research Experience

2023 - **Postdoctoral Scholar:** Department of Forest Ecosystems and Society, Oregon State University, Corvallis, Oregon, January 2023 – present.

2024 Principle Investigators: Dr. Troy Hall, Dr. Ashley D’Antonio

- Followed the Visitor Use Management framework to define desired conditions, identify indicators, and implement a monitoring program at Big Basin Redwoods State Park, California
- Developed monitoring protocols, sampling strategies, visitor questionnaire surveys
- Project management, including managing metadata, data storage, and organization
- Analyzed of qualitative and quantitative data
- Mentored and trained two undergraduate researchers to follow monitoring protocols, collect and QA/QC data
- Conducted a Delphi Survey of personnel at State Parks Districts across California to identify common visitor use management issues and capacity for monitoring
- Created training materials and reports for California State Parks
- Presented findings to California State Parks and non-profit partners

**Data Analysis Contractor:** Intermountain Bird Observatory, Department of Biological Sciences, Boise State University, Boise, Idaho, July 2023 – August 2024.

Principle Investigator: Dr. Jay Carlisle

- Collaborated with managers at Idaho Army National Guard and Bureau of Land Management to identify management-relevant questions
- Managed and organized a long-term database
- Analyzed a long-term dataset of avian point counts with secondary data sources to identify trends over time
- Interpreted results and reported findings to managers at the Idaho Army National Guard and Bureau of Land Management through written technical reports

2019 - **Fieldwork Leader - Ph.D. Dissertation Research:** Morley Nelson Snake River Birds of Prey National Conservation Area, Boise, Idaho, May 2019 - July 2021.

2021 Principle Investigator: Dr. Jay Carlisle

- Worked with managers (Idaho Army National Guard, Bureau of Land Management) to identify research questions
- Designed an interdisciplinary research project using a social-ecological systems approach

- Interviewed visitors using a standard protocol, conducted driving surveys for human use, found and monitored Horned Lark (*Eremophila alpestris*) nests in the sagebrush-steppe, deployed trail cameras
- Scheduled and coordinated field technicians and volunteers, trained crew members
- Presented results at academic conferences, meetings of managers and stakeholders, and science communication events for the public

2018

**Biological & Social Science Technician:** Denali National Park & Preserve, Alaska, January - June 2018

Supervisors: Dr. Rose Keller, Social Scientist & William Clark, Road Ecologist, National Park Service

- Worked with an interdisciplinary team to collect data to inform park management
- Surveyed visitors using a standard protocol, conducted driving surveys to assess wildlife behavior, analyzed camera trap captures, operated traffic and trail counters and analyzed their data, wrote a professional report to address current management questions.

2017

**Interpretive Intern:** Rocky Mountain National Park, Colorado, August – November 2017

Supervisor: Barbara Scott, Interpretive Ranger, National Park Service

- Created interpretive programs following professional guidelines, led formal interpretive programs for park visitors, made informal visitor contacts while at visitor centers and on hiking trails.

**National Park Service Volunteer:** Rocky Mountain National Park, Colorado, Oct. 2017

Supervisor: Hanem Aboulezz, Supervisory Landscape Ecologist, National Park Service

- Assisted with elk population surveys, drove predetermined routes, used a spotting scope to count and classify animals.

**Wolf Education Intern:** International Wolf Center, Minnesota, May – Aug. 2017

Supervisor: Krista Harrington, Interpretive Center Manager, International Wolf Center.

- Reviewed current research to create educational presentations, presented current research to visitors, planned and led educational visits for groups.

**U.S. Forest Service Volunteer:** Kawishawi Ranger District, Minnesota, May – Aug. 2017

Supervisor: Kelcie Severs, Biological Technician, U.S. Forest Service

- Assisted with bat emergence surveys and amphibian surveys.

2016

**Research Technician:** Samuel H. Ordway, Jr. Memorial Preserve, South Dakota, Jun.– Aug. 2016

Principle Investigator: Dr. Jon Grinnell, Associate Professor, Gustavus Adolphus College

- Collected observations of American bison mating behaviors, conducted vegetation and butterfly surveys, monitored and treated invasive vegetative species.

## Academic Awards, Grants, and Honors

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2023	Mentored Employment Program, Department of Forest Ecosystems & Society, Oregon State University (\$1,500 for an undergraduate mentee to participate in postdoctoral research)
2022	Boise State University Graduate Assistantship (\$25,000 stipend + tuition and fees)
2021	Boise State University Graduate Assistantship (\$25,000 stipend + tuition and fees) Travel Grant - Biology Department, Boise State University (\$600)
2020	Boise State University Graduate Assistantship (\$25,000 stipend + tuition and fees)
2019	Tracy Aviary Conservation Funds Grant (\$10,000) with Dr. Jay Carlisle (PI) Boise State University Graduate Assistantship (\$25,000 stipend + tuition and fees)
2018	Boise State University Graduate Assistantship (\$25,000 stipend + tuition and fees)
2017	Gustavus Biology Department Award for Excellence in Biological Research Guild of St. Ansgar Honor Society
2016	Gustavus Biology Department Academic Assistant (\$200) Francis Uhler Grant (\$2,000)
2013-17	Gustavus Adolphus College Presidential Scholarship (\$20,000/yr.)

## Peer-Reviewed Publications (^ denotes undergraduate researchers)

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### Published

2024	[2] <b>Aberg, M. C.</b> , S. E. Coates, L. J. Davis <sup>^</sup> , B. W. Wright, R. Mervin <sup>^</sup> , and J. D. Carlisle. 2024. Effects of outdoor recreation on multiple vertebrate guilds in a fragmented sagebrush-steppe ecosystem. <i>Journal of Wildlife Management</i> <b>e22663</b> : 1-26. <a href="https://doi.org/10.1002/jwmg.22663">https://doi.org/10.1002/jwmg.22663</a>
2020	[1] Katzner, T.E., J. D. Carlisle, S. A. Poessel, E. C. Thomason, B. P. Pauli, D. R. Pilliod, J. R. Belthoff, J. A. Heath, K. J. Parker, K. S. Warner, H. M. Hayes, <b>M. C. Aberg</b> , P. A. Ortiz, S. M. Amdor, S. E. Alsup, S. E. Coates, T. A. Miller, and Z. K. T. Duran. 2020. Illegal killing of non-game wildlife and recreational shooting within conservation areas. <i>Conservation Science and Practice</i> <b>e276</b> : 1-15. <a href="https://doi.org/10.1111/csp2.279">https://doi.org/10.1111/csp2.279</a>

## Technical Reports

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2024	<b>Aberg, M. C.</b> , J. Halka, and J. D. Carlisle. 2024. Assessing the Status of High Desert Bird Community Populations of the Morley Nelson Birds of Prey National Conservation Area – Final Report. Report for the Bureau of Land Management. Boise, ID: Intermountain Bird Observatory, Boise State University.  <b>Aberg, M. C.</b> , J. Halka, and J. D. Carlisle. 2024. Migratory and Sagebrush Obligate Bird Inventory: 2011 - 2023. Report for the Idaho Army National Guard. Boise, ID: Intermountain Bird Observatory, Boise State University.  <b>Aberg, M. C.</b> , T. E. Hall, and A. D’Antonio. 2024. 2023 Big Basin Redwoods State Park Visitor Survey. Report prepared for California State Parks and Parks California. Corvallis, OR: Oregon State University, Department of Forest Ecosystems & Society.
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**Aberg, M. C.**, T. E. Hall, and A. D’Antonio. 2024. Development of a Visitor Use Monitoring Framework for Big Basin Redwoods State Park. Report prepared for California State Parks and Parks California. Corvallis, OR: Oregon State University, Department of Forest Ecosystems & Society.

**Aberg, M. C.**, T. E. Hall, and A. D’Antonio. 2024. Observational Monitoring of Recreational Use at Big Basin Redwoods State Park, 2023. Report prepared for California State Parks and Parks California. Corvallis, OR: Oregon State University, Department of Forest Ecosystems & Society.

**Aberg, M. C.**, T. E. Hall, and A. D’Antonio. 2024. Visitor Use Management Issues and Monitoring in California State Parks Districts. Report prepared for California State Parks and Parks California. Corvallis, OR: Oregon State University, Department of Forest Ecosystems & Society

T. E. Hall, **M. C. Aberg**, and A. D’Antonio. 2024. General Recommendations for Big Basin Redwoods State Park. Report prepared for California State Parks and Parks California. Corvallis, OR: Oregon State University, Department of Forest Ecosystems & Society.

- 2021      **Aberg, M. C.**, and J. D. Carlisle. 2021. Studying the Human Components of Illegal Shooting Behavior in Southwestern Idaho to Inform the Conservation of Long-billed Curlews. Final Report to the Tracy Aviary. Intermountain Bird Observatory, Boise State University, Boise, Idaho.
- 2020      **Aberg, M. C.**, S. E. Coates, and J. D. Carlisle. 2020. Horned Lark Monitoring at the Morley Nelson Snake River Birds of Prey National Conservation Area 2020 Pilot Season Final Report. Intermountain Bird Observatory, Boise State University, Boise, Idaho.
- 2018      **Aberg, M. C.**, R. Keller, and W. Clark. 2018. Denali National Park and Preserve Winter Visitor Use: Winter Visitor Experience Survey and Early Road Opening Collaborative Study. Natural Resource Report. National Park Service, Denali National Park and Preserve, Alaska.

### **Presentations** (\* denotes presenter, ^ denotes undergraduate researchers)

- 2025      Reynolds, L.\*^, O. Milenkaya, and **M. C. Aberg**. March 2025. Poster Presentation. “Assessing the Efficacy of Pattern Identification Software in Population Monitoring of Eastern Newts (*Notophthalmus viridescens*).” Association of Southeastern Biologists, Myrtle Beach, South Carolina.
- 2024      **Aberg, M. C.\***, B. Rittenburg\*, T. E. Hall, and A. D’Antonio. May 2024. Educational Session. “Applications of the Visitor Use Management Framework.” *California Trails & Greenways*, Everline Resort & Spa Lake Tahoe, Olympic Valley, California.
- Wanless, C.^, and **M. C. Aberg.\*** April 2024. Poster Presentation. “Visitor Use Monitoring: How Visitor Use Data Can Help Management Decisions at Big Basin State

Park.” *Mentored Employment Program Symposium*, Oregon State University, Corvallis, Oregon.

2023

**Aberg, M. C.\***, and J. D. Carlie. October 2023. Oral Presentation. “A Coupled Human and Natural Systems Approach to Studying Recreation on Public Lands.” *Idaho Bird Conservation Partnership Annual Meeting*, Virtual.

**Aberg, M. C.\***, and J. D. Carlisle. February 2023. Oral Presentation. “Human Dimensions of Wildlife Conservation on Public Lands.” *Idaho Chapter of The Wildlife Society*, The Riverside Hotel, Boise, Idaho.

**Aberg, M. C.\***, and J. D. Carlisle. January 2023. Oral Presentation. “Human Dimensions of Recreational Use at the NCA.” *Bureau of Land Management Boise District Law Enforcement Staff Meeting*, Boise, Idaho.

2022

**Aberg, M. C.\***, and J. D. Carlisle. November 2022. Oral Presentation. “Human Dimensions of Recreational Use at the NCA.” *Bureau of Land Management Leadership Team Meeting*, Virtual.

**Aberg, M. C.\***, and J. D. Carlisle. October 2022. Oral Presentation. “Human Dimensions of Recreational Use at the NCA.” *Fourth Assembly of the Morley Nelson Snake River Birds of Prey National Conservation Area Symposium*, Boise State University, Boise, Idaho.

**Aberg, M. C.\***, and J. D. Carlisle. August 2022. Poster Presentation. “Impacts of Outdoor Recreation on Multiple Levels of a Fragmented Sagebrush-steppe Ecosystem.” *2022 ESA & CSEE Joint Meeting*, Palais des congrès de Montréal, Montréal, Québec, Canada.

**Aberg, M. C.\***, and J. D. Carlisle. May 2022. Poster Presentation. “Spatio-temporal Patterns of Recreational Impacts on Breeding Birds.” *Pathways 2021: Human Dimensions of Wildlife Conference*, Kitsap Conference Center, Bremerton, Washington.

**Aberg, M. C.\***, and J. D. Carlisle. February 2022. Oral Presentation. “Impacts of Outdoor Recreation on Multiple Levels of a Modified Sagebrush-steppe Ecosystem.” *Idaho Chapter of The Wildlife Society Annual Meeting*, Idaho Chapter of the Wildlife Society, Virtual Conference.

**Aberg, M. C.\*** February 2022. Oral Presentation. “Horned Lark Breeding Ecology in Southwestern Idaho.” *Southwestern Idaho Birders Association*, Monthly Meeting, Virtual.

2021

**Aberg, M. C.\*** December 2021. “Social and Ecological Dynamics of Recreational Shooting on Public Lands in Southwestern Idaho.” *Idaho Recreation and Tourism Initiative*, Steering Committee Meeting, Virtual.



- Aberg, M. C.\*** November 2021. Twitter Presentation. “[A Coupled Human and Natural Systems Approach to Conflict Between Birds and Outdoor Recreation.](#)” *Birds and People: From Conflict to Coexistence*, British Ornithologists’ Union, Virtual Conference.
- Davis, L.\*<sup>^</sup>, J. Carlisle, R. Miller, **M. C. Aberg**, and R. Mervin. October 2021. Impacts of Recreation on Raptor and Scavenger Abundance in the Morley Nelson Snake River Birds of Prey National Conservation Area of Southern Idaho. *Raptor Research Foundation*, Virtual Conference.
- Aberg, M. C.\*** August 2021. Oral Presentation. “Impacts of Outdoor Recreation on Horned Lark Breeding Ecology in the NCA.” *Snake River Raptor Fest*, Birds of Prey NCA Partnership, Virtual Conference.
- Davis, L. D.\*<sup>^</sup>, **M. C. Aberg**, R. A. Miller, R. Mervin<sup>^</sup>, and J. D. Carlisle. July 2021. Poster Presentation. “Impacts of Recreation on Raptor and Scavenger Abundance in the Morley Nelson Snake River Birds of Prey National Conservation Area of Southern Idaho.” *Idaho Conference on Undergraduate Research*, Boise State University, Virtual Conference.
- Mervin, R.\*<sup>^</sup>, **M. C. Aberg**, L. D. Davis<sup>^</sup>, and J. D. Carlisle. July 2021. Poster Presentation. “An Inquiry into the Effect of Recreational Use on Populations of Piute Ground Squirrels, American Badgers, and Coyotes in the Morley Nelson Snake River Birds of Prey National Conservation Area.” *Idaho Conference on Undergraduate Research*, Boise State University, Virtual Conference.
- Thomason, E. C.\*<sup>^</sup>, **M. C. Aberg\***, K. J. Parker\*, T. E. Katzner, J. D. Carlisle, S. A. Poessel, B. P. Pauli, D. S. Pilliod, J. R. Belthoff, J. A. Heath, K. S. Warner, H. M. Hayes, P. A. Ortiz, S. M. Amdor, S. E. Alsup, S. E. Coates, T. A. Miller, and Z. K. Duran. May 2021. Poster Presentation “Illegal Killing of Non-game Wildlife and Recreational Shooting within Conservation Areas.” *The Science of The Service*, United States Fish & Wildlife Service, Virtual Conference.
- Aberg, M. C.\***, Coates, S. E., & J. D. Carlisle. February 2021. Oral Presentation. “The Effects of Outdoor Recreation on the Nesting Success of the Horned Lark (*Eremophila alpestris*).” *Idaho Chapter of The Wildlife Society Annual Meeting*, Idaho Chapter of the Wildlife Society, Virtual Conference.
- 2020      Wyatt, T. A.\*<sup>^</sup>, **M. C. Aberg**. July 2020. Poster Presentation. “Southern Idaho Fauna and Its Effect on the Reproductive Success of the Horned Lark.” *Idaho Conference on Undergraduate Research*, Boise State University, Virtual Conference.
- 2019      **Aberg, M. C.\***, & Carlisle, J. D. December 2019. Oral Presentation. “Human users of the NCA: Preliminary questionnaire results.” *Idaho Bird Conservation Partnership Fall 2019 Meeting*, Idaho Department of Fish and Game Regional Office, Nampa, Idaho.
- Aberg, M. C.\***, & Carlisle, J. D. November 2019. Oral Presentation. “Who are the human users of the NCA? Preliminary results of a questionnaire survey of recreationists.”

*Third Assembly of the Morley Nelson Snake River Birds of Prey National Conservation Area Symposium, Boise State University, Boise, Idaho.*

- 2017      **Aberg, M. C.\*^** May 2017. Oral Presentation. “Predicting the effect of various management strategies on inbreeding frequency in American bison (*Bison bison*)” *Presentation of Undergraduate Thesis, Gustavus Adolphus College, Saint Peter, Minnesota.*
- 2016      **Aberg, M. C.\*^**, & Coats, C.\*^ November 2016. Oral Presentation. “A multi-step process to determine the likelihood of inbreeding in an American bison herd” *Midstates Consortium for Math and Science Undergraduate Symposium in the Biological Sciences & Psychology, University of Chicago, Chicago, Illinois.*

## Professional Service

- Idaho Chapter of The Wildlife Society Mentorship Program, Mentor** 2024 - present
- Visitor Use Management Workshop, Society for Outdoor Recreation Professionals** 2023  
*Planning Committee Member*
- Reviewer**  
*Journal of Wildlife Management* (4) 2023-present

## Community Service and Outreach

- 2025      “Social and Ecological Impacts of Outdoor Recreation.” Asheville Science Tavern, January 2025.
- 2024      “[Visitor Use Management Toolkit](#).” Parks California. May 2024.
- 2023      “[Conservation Insights: Navigating Human-Wildlife Interactions with the Birds of Prey National Conservation Area](#).” Intermountain Bird Observatory 2023 Newsletter, November 2023.
- Career Panel, Ornithology Lab, Boise State University, Boise, Idaho, February 2023.
- 2022      “[Recreation in the Sagebrush-steppe Ecosystem](#).” Birds of Prey NCA Partnership, Blog, January 2022.
- 2021      “[Raptor Fest Aims to Raise Awareness to Environmental Issues Facing Idaho Bird Populations](#).” Idaho Matters, Boise State Public Radio, August 2021.
- 2020      “[Taking a Closer Look at the Horned Lark](#).” Intermountain Bird Observatory 2020 Newsletter, November 2020.
- Idaho Adopt a Scientist Idaho Watch Program, May 2020. Event cancelled due to COVID-19.
- Created an interactive research station for 7 - 8<sup>th</sup> grade students.

- 2019 Graduate Identity Formation Through Teaching Program, August – December 2019.
- Worked with elementary teaching candidates to produce science lessons for local middle school students.
- 2018 - 19 Graduate Writing Fellow, [Sense & Sustainability](#), August 2018 – August 2019.
- [Food production and biodiversity](#). July 11, 2019.
  - [The connection between nature-based recreation and sustainable behaviors](#). February 5, 2019.
  - [How can we effectively motivate people to engage in sustainable behaviors?](#) December 13, 2018.

## Professional Affiliations

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March 2023 – Present, **Society of Outdoor Recreation Professionals**

March 2022 - Present, **Ecological Society of America**

August 2021 - Present, **Illegal Shooting Working Group**

December 2018 - Present, **The Idaho Chapter of the Wildlife Society**

## Professional Development

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2024 **Center for Teaching and Learning Book Club**, “Geeky Pedagogy” by Jessamyn Neuhaus, March – June 2024, Oregon State University.

**Developing an Online Course**, 16 January – 26 February, Oregon State University, Corvallis, Oregon

**Actively Engaging Students Online**, 12 – 16 February, Oregon State University, Corvallis, Oregon

2023 **Entering Mentorship Workshop 2**, 1 December, Oregon State University, Corvallis, Oregon

**Entering Mentorship Workshop 1**, 30 October, Oregon State University, Corvallis, Oregon

**Social Justice Education Initiative, Tier 1**, 21 – 25 August, Oregon State University, Corvallis, Oregon

**Visitor Use Management Workshop**, 15 – 17 August, Society of Outdoor Recreation Professionals, Winter Harbor, Maine

2022 **Rocky Mountain Mathematics Consortium Conference**, "Mathematical Modeling in Ecology Workshop", 13 – 24 June, University of Wyoming, Laramie, Wyoming

2020 **Experiences in STEM – Tokenism, Stereotypes, and Language**, 1 December, Society for the Advancement of Biology Education Research, Striving for Racial Justice in Academia, Virtual

**But is it really “just” science? Engaging Critical Race Theory to Unpack Racial Oppression with Implications for Black Student Engagement**, 21 October, Society for the Advancement of Biology Education Research, Striving for Racial Justice in Academia, Virtual

**Planning for Flexible Assessments**, 5 October, Center for Teaching & Learning Workshop, Boise State University, Boise, Idaho

**Active Learning in Asynchronous Setting**, 21 – 25 September, Center for Teaching & Learning Workshop, Boise State University, Boise, Idaho

**Inclusive Excellence at Boise State: Creating an Environment that Values and Supports All Members**, 15 September, Center for Teaching & Learning Workshop, Boise State University, Boise, Idaho

**Concrete, Actionable Steps Toward Equity in STEM**, 10 September, Society for the Advancement of Biology Education Research, Striving for Racial Justice in Academia, Virtual

**Providing Better Feedback to Students: A Look at Some Tools and Techniques for Effective and Supportive Feedback**, 12 March, Center for Teaching & Learning Workshop, Boise State University, Boise, Idaho

**Constructing Effective Exams**, 3 February, Center for Teaching & Learning Workshop, Boise State University, Boise, Idaho

2019      **5E Lesson Workshop**, 9 September, GIFT Program Workshop, Boise State University, Boise, Idaho