

Education

PhD, Ecology	2024
University of Wyoming	
Minor: Statistics	
B.S., Biological Sciences	2019
University of Alaska Anchorage	
Magna Cum Laude	

Professional Experience

Graduate Research and Teaching Assistant	2020 - Present
University of Wyoming	
Thesis: Adaptive, non-invasive genetic sampling techniques for estimating the abundance of a patchily-distributed large herbivore (<i>Alces alces</i>)	
Assisting departmental faculty with teaching duties including lecturing, grading, and individual student guidance. Primary instructor for lab sections with 50+ students total. Courses taught: Intro to Statistics, Rangeland Ecosystem Assessment and Monitoring.	
Research Scientist (Contractor)	2020 - Present
Alaska Department of Fish and Game	
Independent contractor providing research support including database management, scientific data analysis, and scientific manuscript preparation for projects related to the Threatened, Endangered, and Diversity (TED) Program mission.	
Wildlife Technician	2018 - 2020
Alaska Center for Conservation Science	
Lead technician for a collared pika (<i>Ochotona collaris</i>) occupancy and abundance project. Implemented a rigorous sampling regime, including extensive remote fieldwork, while assisting the PI with study design and logistics. Oversaw data management in preparation for analysis. Facilitated other projects at the center, including plant identification, lab work, and an urban small mammal mark-recapture study.	
Fish & Wildlife Technician II	2018 - 2020
Alaska Department of Fish and Game	
Provided research support for the Threatened, Endangered, and Diversity (TED) Program. Implemented mark-recapture framework for estimating apparent annual survival rates, migratory timing and routes, and reproductive traits of lesser yellowlegs (<i>Tringa flavipes</i>). Conducted extensive fieldwork, including live captures using mist nets, banding, fitment of GPS Argos Pinpoint tags, and blood and feather sample collection.	
Undergraduate Researcher	2017 - 2019
University of Alaska Anchorage	
Assisted with various mammal analyses, including population dynamics of collared pika (<i>Ochotona collaris</i>), occupancy and distribution patterns of arctic ground squirrels (<i>Urocitellus parryii</i>), and the effects of ambient noise disturbance on the behavior of three captive pinnipeds at the Alaska SeaLife Center.	

Publications

Wagner, J. A., Schuette, P. A., & Christie, K. S. (2022). <i>Climate drivers of collared pika (Ochotona collaris) population density in Alaska</i> . Manuscript in preparation.

Selected Grants

Dr. Herbert Fisser Graduate Fellowship (\$1800)	2022
University of Wyoming	
Graduate Research Scholarship (\$750)	2021
Wyoming Chapter of The Wildlife Society	
Discovery Grant (\$1000)	2019
University of Alaska Anchorage, Honors College	

Research & Travel Grant (\$3500)	2019
Alaska NSF EPSCoR	
Research Grant (\$1500)	2018
Midnight Sun Chapter of the American Association of Zoo Keepers	

Awards

Best in Mammal Category & Overall Best in Show - National Wildlife Photography Contest	2021
The Wildlife Society	
1st Place, Wildlife Photography Contest	2020
Alaska Chapter of the Wildlife Society	
Student Wildlife Conservation Award	2020
Alaska Chapter of The Wildlife Society	
Navy and Marine Corps Achievement Medal	2016
United States Marine Corps	

Presentations

Doody & the Beast: An Adaptive Approach for Using Fecal DNA to Estimate Density of a Patchily Distributed Ungulate	
Wyoming Chapter of The Wildlife Society Annual Meeting 2022	
Poster Presentation	
Understanding Patterns in Collared Pika Density in Rapidly Changing Alpine Ecosystems of Alaska	2020
Alaska Chapter of The Wildlife Society Annual Meeting 2020	
Oral Presentation	
Collared Pika Population Ecology in Alaska: A Collaborative Approach	2019
Alaska Chapter of The Wildlife Society Annual Meeting 2019	
Oral Presentation	
Understanding Patterns of Collared Pika Occupancy in Rapidly Changing Alpine Ecosystems of Alaska	2019
American Fisheries Society & The Wildlife Society 2019 Joint Annual Conference	
Poster Presentation	

Professional Service

Co-chair	2019 - present
Student Development Working Group, Alaska Chapter of the Wildlife Society	
Conference Planning Committees	2018 - present
Alaska Chapter of the Wildlife Society	
Liaison Officer	2019 - 2020
University of Alaska Student Chapter of the Wildlife Society	

Professional Affiliations

The Wildlife Society (National, Alaska & Wyoming Chapters, Northwest Section), AKTWS Small Mammal Working Group, TWS Biometrics Working Group, American Statistical Association (Alaska Chapter), American Association for the Advancement of Science (AAAS)