

JOHN P. DRAPER

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339 W 100 N
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EDUCATION

- PhD** Utah State University, Ecology May 2022
Dissertation: “Carnivore frugivory, seed dispersal and carbon storage”
Committee: Dr. Trisha Atwood (co-chair),
Dr. Julie Young (co-chair), Dr. Noelle Beckman,
Dr. Karin Kettenring, Dr. Ed Hammill
- MS** Auburn University, Wildlife Sciences May 2017
Thesis: “Genetic diversity and connectivity of black bears (*Ursus americanus*) in Alabama”
Advisor: Dr. Todd Steury
- BS** University of California Davis, Wildlife, Fish, and Conservation Biology June 2009

RESEARCH EXPERIENCE

- Postdoctoral Scholar**, Montana State University 2022 – present
- Exploring elk populations responses to hunting management
 - Estimated landscape, anthropogenic and demographic variables effect on elk populations and success in achieving management targets
- PhD Candidate**, Utah State University, Logan, UT 2018-2022
- Advisor: Dr. Trisha Atwood, Dr. Julie Young
- Estimated potential seed dispersal by coyotes through experimentation
 - Applied projection modeling to estimate future plant distributions with different dispersal vectors
 - Modeled nationwide spatial distribution of endangered species and protected areas
 - Has resulted in 2 publication so far (Ecosphere, Scientific reports)
- Utah State University** Logan UT 2017 to 2018
- Research Associate**, Dr. Julie Young
- Designed and executed experiments with captive coyotes
 - Analyzed existing camera and collar datasets using multiple analytical techniques
 - Resulted in 3 publications (Wildlife Society Bulletin, Animals, Human-Wildlife)

Interactions)

Masters Student, Auburn University, Auburn AL 2014 to 2017
Advisor: Dr. Todd Steury

- Estimated black bear population size and genetic diversity using non-invasive techniques
- Resulted in 1 publication (PLOS)

California Department of Fish and Wildlife, CA 2011 to 2014
Scientific Aide

- Estimated black bear populations along the central coast of California utilizing non-invasive techniques
- Managed data for statewide hunting and research programs

University of Montana, MT 2011 to 2012
Backcountry Grizzly Bear Research Technician

University of Tennessee, LA 2010
Black Bear Research Technician

University of California Davis, CA 2009 to 2010
Small Mammal and Vegetation Research Technician

GRANTS

Utah State University Ecology Center, Research Grant (\$2,500) 2019

African Safari Club of Florida, Graduate Student Scholarship (\$1,500) 2017

International Association for Bear Research
& Management Conference, Travel Grant (\$500) 2016

HONORS AND AWARDS

1st place graduate student poster Auburn School of Forestry
and Wildlife Sciences Spring Open House 2017

1st place graduate student poster at Southeastern
Evolution and Ecology Conference 2015

1st place graduate student poster at Alabama Chapter
of The Wildlife Society Conference 2015

PUBLICATIONS

Journal Publications

Total citations: 76, H-index: 6

1. Young, J., Schultz, J., Jolley, B., Basili, N., **Draper, J.** 2022. Social Learning of Avoidance Behaviors: Trap Aversion in Captive Coyotes. *Animal Behavior and Cognition*, 9(3), 336–348
2. **Draper, JP.**, Rodgers, T., Young, JK., *Beating the Heat: Ecology of Desert Bobcats*. Manuscript submitted for publication (*BMC Ecology*).
3. **Draper JP**, Atwood TB, Beckman NG, Kettenring KM, Young JK. Mesopredator frugivory has no effect on seed viability and emergence under experimental conditions. *Ecosphere*. 2021;12.
4. *Clancy NG, ***Draper JP**, Wolf JM, Abdulwahab UA, Pendleton MC, Brothers S, et al. Protecting endangered species in the USA requires both public and private land conservation. *Scientific Reports*. 2020; 10: 1–8
**Authors contributed equally*
5. Young JK, **Draper J**, Breck S. Mind the gap: Experimental tests to improve efficacy of fladry for nonlethal management of coyotes. *Wildlife Society Bulletin* 2019; 43: 265–271.
6. Young, J. K., J. Golla, **J. P. Draper**, D. Broman, T. Blankenship, and R. Heilbrun. Space Use and Movement of Urban Bobcats. *Animals*. 2019; 9: 275.
7. Young, J. K., **J. P. Draper**, and D. Kinka. Spatial associations of livestock guardian dogs and domestic sheep. *Human-Wildlife Interactions*. 2019; 13: 7–15
8. **Draper, J. P.**, L. P. Waits, J. R. Adams, C. L. Seals, and T. D. Steury. Genetic health and population monitoring of two small black bear (*Ursus americanus*) populations in Alabama, with a regional perspective of genetic diversity and exchange. *PLoS One* 2017; 12: 1–21.
9. Ordeñana, M. A., D. H. Van Vuren, and **J. P. Draper**. Habitat associations of California ground squirrels and Botta's pocket gophers on levees in California. *The Journal of Wildlife Management*. 2012; 76: 1712–1717.

Journal Papers in Review

PRESENTATIONS AND POSTERS

Academic

- 2021 'Coyotes as effective seed dispersers: An experimental evaluation of gut passage time and seed viability of three fruits commonly consumed by coyotes' Ecological Society of America Annual Meeting, Virtual
- 2017 'Genetic structure of black bears (*Ursus americanus*) in Alabama' Ecological Society of America Annual Meeting, Portland OR
- 2016 'Black Bear Genetic Diversity and Health in Alabama', International Association for Bear Research & Management Annual Meeting, Anchorage AK
- 2016 'Black Bear Demographics and Genetic Health in Alabama', Alabama State Wildlife Division Annual Meeting, Auburn AL
- 2015 'Black Bear Genetic Diversity and Health in Alabama', Southeastern Association of Fish and Wildlife Agencies Conference, Asheville North Carolina
- 2015 'Black Bear Demographics and Habitat Use', Alabama State Wildlife Division Annual Meeting, Auburn AL

Public

- 2015 'Alabama Black Bear Public Forum', Heflin Alabama
- 2015 'Black Bears in Little River Canyon', Little River Canyon National Preserve (2 Presentations)
- 2012 'Track and Sign of Wild Pigs', California Department of Fish and Game, Advanced wild Pig Hunting Clinic, King City, CA.

Posters:

- 2021 'Carnivore Contributions to the Carbon Cycle', The International Association for Bear Research and Management Annual Meeting, Virtual
- 2017 'Genetic diversity and connectivity of black bears (*Ursus americanus*) in Alabama', Auburn School of Forestry and Wildlife Sciences Spring Open House, Auburn Alabama
- 2016 'Black Bear Genetic Diversity and Health in Alabama', School of Forestry and Wildlife Sciences Advisory Council, Auburn Alabama
- 2015 'Black Bears in Alabama', Governor's One-Shot Turkey Shoot, Montgomery Alabama
- 2015 'Black Bears in Northeastern Alabama', Alabama Chapter of the Wildlife Society Annual Meeting, Lake Guntersville Alabama
- 2015 'Black Bears in Northeastern Alabama', Southeastern Ecology and Evolution Conference, Athens Georgia
- 2015 'Black Bears in Alabama', School of Forestry and Wildlife Sciences Advisory Council, Auburn Alabama

PROFESSIONAL TRAINING

Seminar or Workshop

Enabling Interdisciplinary and Team Science: A Professional Development Program
Presented by the American Institute of Biological Sciences, Logan, Utah, October 2-3, 2019

PROFESSIONAL AFFILIATIONS

Ecological Society of America
International Association for Bear Research & Management

PROFESSIONAL SERVICE

Ecology Center Seminar Series Committee, Chair (2021), Member (2020)
Faculty Search Committee Student Representative (2019)
Internal Reviewer USGS (2018)
USU Graduate Student Insurance Working Group (2020)

COMPUTER SKILLS

- Office Suite
- ArcGIS PRO
- Python
- R
- MARK
- Density 5.0
- Genetics software
 - Arlequin
 - FSTAT
 - GeneMapper
 - GeneMarker
 - Genalex
 - Structure
 - ML relate

REFERENCES

Dr. Julie Young, Field Station Leader, Adjunct Professor (USU)
United States Department of Agriculture
Animal and Plant Health Inspection Service
Email: julie.k.young@usda.gov

Dr. Trisha Atwood, Associate Professor
Watershed Sciences
Quinney College of Natural Resources
Utah State University
Email: trisha.atwood@usu.edu

Dr. Todd Steury, Associate Professor
Wildlife Sciences
School of Forestry and Wildlife Sciences
Auburn University
Email: steury@auburn.edu