

Levi J. Heffelfinger, Ph.D.

Assistant Professor
Director of North Texas Research Program
Caesar Kleberg Wildlife Research Institute
Texas A&M University—Kingsville
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520-490-7386

Education

Texas A&M University – Kingsville, Kingsville, TX

Ph.D. Wildlife Science

Dissertation Title: Resource Selection, Habitat Influences on Population Performance, and Body Size Trade-Offs of Cervids in a Nutritionally Variable Environment

Chair: Dr. David G. Hewitt

University of Nevada, Reno, Reno, NV

M.S. Natural Resources and Environmental Science

Thesis Title: Factors Influencing Population Performance and Tradeoffs Associated with Reproduction of a Large Herbivore

Chair: Dr. Kelley M. Stewart

University of Arizona, Tucson, AZ

B.S. Natural Resources: Wildlife Management and Conservation

Advisor: Dr. John Koprowski

Academic Appointments

Director of North Texas Research Program and Assistant Professor: 2023—present

Caesar Kleberg Wildlife Research Institute
Texas A&M University – Kingsville
Lubbock, Texas

Instructor: 2021—present

Department of Natural Resources Management
Texas Tech University
Lubbock, Texas

Assistant Professor of Research: 2021—2023

Caesar Kleberg Wildlife Research Institute
Texas A&M University – Kingsville
Lubbock, Texas

Senior Research Instructor: 2021

Caesar Kleberg Wildlife Research Institute
Texas A&M University – Kingsville
Kingsville, Texas

Graduate Research Assistant – Boone & Crockett Fellow in Ungulate Research: 2017—2021

Caesar Kleberg Wildlife Research Institute
Texas A&M University – Kingsville
Kingsville, Texas

Graduate Research Assistant: 2015—2017

Department of Natural Resources and Environmental Sciences
University of Nevada, Reno
Reno, Nevada

Professional Research Experience

Research Technician, California Department of Fish and Wildlife: 2015—2016

Mojave National Preserve Mule Deer Research Project
Inland Deserts Region
Ontario, CA

Research Assistant, Caesar Kleberg Wildlife Research Institute: 2014

Comanche-Faith Deer Research Project
Texas A&M University – Kingsville
Carrizo Springs, Texas

Research Assistant, Koprowski Conservation Research Lab: 2013

Black-tailed Prairie Dog Reintroduction Research Project
University of Arizona
Tucson, Arizona

Internship, Arizona Game and Fish Department: 2011

Wildlife Survey and Trapping Intern
Region 5 Office
Tucson, Arizona

Teaching

Courses

- Instructor – Principles of Wildlife Management. Texas Tech University. Spring 2025
- Instructor – Big Game Ecology and Management. Texas Tech University. Fall 2024
- Instructor – Texas Ecoregions Wildlife Ecology and Management. Texas A&M University – Kingsville. Spring Intersession 2024
- Instructor – Principles of Wildlife Management. Texas Tech University. Spring 2024
- Instructor – Big Game Ecology and Management. Texas Tech University. Fall 2023
- Instructor – Principles of Wildlife Management. Texas Tech University. Spring 2023
- Instructor – Principles of Wildlife Management. Texas Tech University. Fall 2022
- Instructor – Principles of Wildlife Management. Texas Tech University. Spring 2022
- Instructor – Big Game Ecology and Management. Texas Tech University. Fall 2021
- Instructor – Principles of Wildlife Management. Texas A&M University – Kingsville. Spring 2018
- Teaching Assistant – Environmental Pollution. University of Nevada, Reno. Spring 2016
- Teaching Assistant – Conservation, Humans, and Biodiversity. University of Nevada, Reno. Fall 2015

Workshops

- Instructor – Measuring North American Big Game with the Boone & Crockett Scoring System. The Wildlife Society at Texas Tech University. March 2025
- Instructor – Measuring North American Big Game with the Boone & Crockett Scoring System. The Wildlife Society at Texas Tech University. March 2024
- Instructor – Measuring North American Big Game with the Boone & Crockett Scoring System. The Wildlife Society at Texas Tech University. April 2023
- Instructor – Introduction to Spatial Ecology and Methodology in R. Wildlife and Agriculture Graduate Student Organization, Texas A&M University—Kingsville. November 2019
- Instructor – Introduction to Coding and Data Visualization in R. Wildlife and Agriculture Graduate Student Organization, Texas A&M University—Kingsville. March 2019

- Instructor—Known Fate and Nest Survival Modeling in Program MARK. Wildlife and Agriculture Graduate Student Organization, Texas A&M University—Kingsville. November 2018

Advising and Supervision

Current Staff

1. Bailey Kleeberg, 2024-present, Research Associate and Administrative Coordinator, North Texas Research Program, Caesar Kleberg Wildlife Research Institute, Texas A&M University-Kingsville

Current Graduate Students

6. Katie Pennartz, 2025-present. Ph.D. student. Texas A&M University—Kingsville. Impact of climate change on desert mammal and herptile communities in 5 National Park Service units. (co-advised with Dr. Evan Tanner)
5. Austin Ibarra, 2025-present. M.S. student. Texas A&M University—Kingsville. Interactions Among Three Sympatric Cervid Species in a Chronic Wasting Disease Region.
4. Ashlyn Halseth, 2024-present. Ph.D. student. Texas A&M University—Kingsville. Modeling Prion Transmission via Scavenger Species and the Spatial Ecology Within a Multi-Cervid System. (co-advised with Dr. Alyn Martin)
3. Miranda Hopper, 2024-present. Ph.D. student. Texas A&M University—Kingsville. Interspecific Interactions of Native and Nonnative Ungulates Amidst Historic Habitat Treatments. (co-advised with Dr. Michael Cherry)
2. Calvin Ellis, 2024-present. Ph.D. student. Texas A&M University—Kingsville. Mule Deer Movement, Demography, and Population Estimation Techniques at the Geographical Range Limit. (co-advised with Dr. Michael Cherry)
1. Celine Rickels, 2024-present. M.S. student. Texas A&M University—Kingsville. Factors Influencing Pronghorn Survival in the Southern Great Plains

Completed Graduate Students

1. Calvin Ellis, 2023, M.S. student, Texas A&M University—Kingsville. Mule Deer Spatial Ecology in the Southern Great Plains: A Region Influenced by Chronic Wasting Disease. (co-advised with Dr. Michael Cherry). *Current position: Ph.D. student, Texas A&M University-Kingsville*

Current Graduate Student Committees

6. Hallie Lovell, 2025-present, M.S. student, Sul Ross State University.
5. Caitlin Camp, 2024-present, Ph.D. student, Texas A&M University-Kingsville. Spatial Ecology of a Recolonizing Black Bear Population.
4. Molly Koeck, 2024-present, Ph.D. student, Oklahoma State University. Spatial Ecology and Population Performance of Mule Deer Near the Geographic Extent of their Range
3. Marlin Dart, 2023-present, Ph.D. Texas A&M University—Kingsville. Movement Ecology of Pronghorn Among Anthropogenic and Environmental Variability
2. Hailey Barton, 2023-present, M.S. student, Sul Ross State University. Seasonality of Competition Potential Between Desert Bighorn and Mule Deer
1. Andrew Dotray, 2023-present, M.S. student. Sul Ross State University. Space Use of Sympatric Aoudad and Mule Deer in the Trans-Pecos

Completed Graduate Student Committees

1. Alex Pearson, 2024-present, M.S. student, Texas Tech University. Nutritive and Spatial Dynamics of White-tailed Deer in Central Texas

Current Undergraduate Researchers

Completed Undergraduate Researchers

4. Maggie Rector, 2024-present, Texas A&M University—Kingsville. Assessing The Use of Drones to Monitor Pronghorn Herd Dynamics. *Current position: M.S. student, Sul Ross State University*
3. Austin Ibarra, 2024, Texas Tech University. Pronghorn, Mule deer, and White-tailed deer Reproductive Ecology. *Current position: M.S. student, Texas A&M University-Kingsville*
2. James (Kaden) Kerbow, 2023-2024, Texas Tech University. White-tailed Deer Spatial Ecology in an Agricultural Environment. *Current position: Biologist, Texas Parks and Wildlife Department*
1. Joshua Vasquez, 2019-2020, Texas A&M University—Kingsville. Developing Spatiotemporal Georeferenced Layers to Assess Mule Deer Space Use Relative to Agriculture. *Current position: Biologist, Texas Parks and Wildlife Department*

Research Funding Support

Pending

3. Cherry, M. J., E. P. Tanner, **L. J. Heffelfinger**. Impact of climate change on desert mammal and herptile communities in 5 National Park Service units. National Park Service Foundation. Amount: \$542,906.
2. **Heffelfinger, L. J.**, J. W. Cain. Evaluating Pronghorn Spatial Ecology and Recruitment Among Energy Development. ConocoPhillips. Amount: \$1,048,552
1. **Heffelfinger, L. J.**, M. J. Cherry, D. G. Hewitt. White-tailed Deer Spatial Ecology in North Texas. The Rees-Jones Foundation. Amount: \$337,469

Awarded

12. **Heffelfinger, L. J.**, D. G. Hewitt. 2024. Developing the North Texas Research Program of Caesar Kleberg Wildlife Research Institute. Caesar Kleberg Foundation. Amount: \$380,000.
11. Cherry, M. J., E. P. Tanner, **L. J. Heffelfinger**. 2024. Impacts of pinyon-juniper fuels reduction treatments on mammals. Bureau of Land Management. Amount: \$86,224.
10. French, J., J. Tarrant, C. Gonzalez-Gonzalez, **L. J. Heffelfinger**, S. S. Gray, L. A. Harveson. 2024. Using Remote Sensing to Model Brush Encroachment and Developing User-Interface Products of Spatial Ecology Modeling to Manage Pronghorn. National Fish and Wildlife Foundation. Amount: \$124,882.
9. **Heffelfinger, L. J.** 2023. Pronghorn, Mule deer, and White-tailed deer Reproductive Ecology. 4th Annual Long Internship for Undergraduate Researcher: Caesar Kleberg Wildlife Research Institute. Amount: \$7,500.
8. Hewitt, D. G., E. P. Tanner, F. Hernandez, A. D Falk, S. Rideout-Hanzak, M. J. Cherry, **L. J. Heffelfinger**, B. Ballard. 2023. Developing the Center for Hill Country Conservation and Management. Private Donor: Tim Leach. Amount: \$250,000.
7. **Heffelfinger, L. J.**, and M. J. Cherry, (\$309,105 Subaward). Chitwood, C., A. Moeller, S. Fairbanks, R. Lonsinger, L. Heffelfinger, M. Cherry. 2023. Oklahoma Mule Deer Population Evaluation. Oklahoma Department of Wildlife Conservation. Amount: \$1,743,177.
6. Petracca, L., M. J. Cherry, R. W. DeYoung, J. Evans, J. French, L. A. Harveson, **L. J. Heffelfinger**, D. G. Hewitt, M. Hewitt, C. Hilton, D. Karelus, A. Veals-Dutt. 2023. Assessing and mitigating potential ecological impacts to large mammals from border barrier system construction and installation in South Texas, USA. U. S. Fish and Wildlife Service. Amount: \$1,752,467.
5. **Heffelfinger, L. J.**, D. G. Hewitt. 2022. Developing the North Texas Research Program of Caesar Kleberg Wildlife Research Institute. Caesar Kleberg Foundation. Amount: \$400,000.

4. **Heffelfinger, L. J.**, M. C. Cherry, D. G. Hewitt, S. S. Gray. 2022. Mule Deer Dispersal Relative to CWD Disease Risk. Texas Parks and Wildlife Department. Amount: \$9,995.
3. **Heffelfinger, L. J.** 2022. Mule Deer Dispersal Relative to CWD Disease Risk. Lubbock Sportsman's Club-Dallas Safari Club Chapter. Amount: \$10,000.
2. **Heffelfinger, L. J.** 2021. Quantifying Juvenile Mule Deer Dispersal Relative to Chronic Wasting Disease Epidemiology. Texas Parks and Wildlife Department. Amount: \$9,995.
1. **Heffelfinger, L. J.**, D. G. Hewitt, and S. S. Gray. 2018. Assessing Juvenile Mule Deer Movement, Resource Selection, and Dispersal. Texas Chapter Mule Deer Foundation. Amount: \$10,000.

Not Awarded

19. **Heffelfinger, L. J.**, 2024. Experiential Learning of Texas Ecoregions for South Texas Students. The Rotary Club of Corpus Christi Harvey Weil Sportsman Conservationist Award. Amount: \$10,000. *Not Awarded.*
18. **Heffelfinger, L. J.**, 2024. Obtaining elk and deer spatial data to develop a three-species Chronic Wasting Disease model for future management. The Rotary Club of Corpus Christi Harvey Weil Sportsman Conservationist Award. Amount: \$10,000. *Not Awarded.*
17. Martin, A., C. Hilton, M. C. Cherry, E. Tanner, A. Tanner, R. Morales, L. J. Heffelfinger, A. Halseth-Ellis. 2024. Investigating the role of avian obligate scavengers in the spread of Chronic Wasting Disease (CWD) infectious prions. Association of Fish and Wildlife Agencies. Amount: \$330,659. *Not Awarded.*
16. Martin, A., M. C. Cherry, D. G. Hewitt, **L. J. Heffelfinger** (\$37,046 Subaward). Ruiz Aravena, M., A. Martin, M. C. Cherry, D. G. Hewitt, L. J. Heffelfinger. 2024. Serum Biomarker Discovery for Live-Animal Diagnosis of Chronic Wasting Disease Infection in White-Tail Deer (*Odocoileus virginianus*). USDA-APHIS. Amount: \$242,211. *Not Awarded.*
15. Tanner A., E. P. Tanner, **L. J. Heffelfinger** (\$397,882 Subaward). Conway, W. C., A. Tanner, E. P. Tanner, **L. J. Heffelfinger**, D. Haukos, D. Sullins. 2024. Ring-necked Pheasant Ecology in the High Plains of Texas. Texas Parks and Wildlife Department. Amount: \$1,079,021. *Not Awarded.*
14. **Heffelfinger, L. J.**, A. Tanner, E. P. Tanner, R. W. DeYoung, C. Hilton, D. G. Hewitt, W. C. Conway, C. Ramsey, J. French, L. A. Harveson. 2024. Javelina Ecology within the Rolling Plains Ecoregion. Texas Parks and Wildlife Department. Amount: \$1,154,898. *Not Awarded.*
13. **Heffelfinger, L. J.**, M. J. Cherry, E. Tanner, R. W. Deyoung, W. C. Conway, C. Ramsey, C. Chitwood, S. Fairbanks, R. Lonsinger, J. French, C. Gonzalez-Gonzalez. 2023. Top-Down versus Bottom-Up Influences on Pronghorn Fawn Recruitment in the Texas Panhandle and Trans-Pecos. Texas Parks and Wildlife Department. Amount: \$2,331,525. *Not Awarded.*
12. **Heffelfinger, L. J.**, and M. J. Cherry, (\$409,398 Subaward). Conway, W. C., C. Cooper-Norris, A. Norris, C. Ramsey, **L. J. Heffelfinger**, M. J. Cherry, J. French, L. A. Harveson. 2023. Landscape-Scale Habitat Improvement and Aoudad Reduction Efforts for Mule Deer within Palo Duro Canyon Basin. Texas Parks and Wildlife Department. Amount: \$7,519,923. *Not Awarded.*
11. **Heffelfinger, L. J.**, and M. J. Cherry, (\$363,315 Subaward). Conway, W. C., C. Ramsey, L. J. Heffelfinger, M. J. Cherry, J. French, C. Gonzales, L. A. Harveson. 2023. Long-term Impacts of Range Management Practices on Mule Deer and White-tailed Deer in the Rolling Plains. Texas Parks and Wildlife Department. Amount: \$3,179,966. *Not Awarded.*
10. **Heffelfinger, L. J.**, M. J. Cherry, E. Tanner, R. W. Deyoung, W. C. Conway, C. Ramsey, C. Chitwood, S. Fairbanks, R. Lonsinger, G. Wang. 2023. Pronghorn Fawn Survival in the Texas Panhandle. Texas Parks and Wildlife Department. Amount: \$1,681,176. *Not Awarded.*
9. Cherry, M. J., **L. J. Heffelfinger**, D. G. Hewitt, R. W. DeYoung, C. Hilton, W. C. Conway, C. Ramsey, L. A. Harveson, C. Gonzales, J. French, W. Cook. 2022. Deer and Elk Ecology within the Trans-Pecos

- and Panhandle CWD Zones of Texas. Texas Parks and Wildlife Department. Amount: \$2,374,715. *Not Awarded.*
8. **Heffelfinger, L. J.**, and M. J. Cherry. (\$276,754 Subaward). Chitwood, C., S. Fairbanks, R. Lonsinger, **L. J. Heffelfinger**, M. Cherry. 2022. Mule Deer Population Ecology in Western Oklahoma. Oklahoma Department of Wildlife Conservation. Amount: \$1,599,060. *Invited for next request for proposals.*
 7. Cherry, M. J., C. C. Ellis, L. J. Heffelfinger. 2022. Social Dynamics Influence Foraging Behavior of Male White-tailed Deer. The Rotary Club of Corpus Christi Harvey Weil Sportsman Conservationist Award. Amount: \$15,000. *Not Awarded.*
 6. **Heffelfinger, L. J.**, M. C. Cherry, D. G. Hewitt, W.C. Conway, S. S. Gray. 2022. Mule Deer Dispersal Relative to Chronic Wasting Disease Risk in the Texas Panhandle Chronic Wasting Disease Management Zone. Houston Safari Club. Amount: \$5,000. *Not Awarded*
 5. **Heffelfinger, L. J.**, M. J. Cherry, C. C. Ellis, R. W. DeYoung, D. G. Hewitt, W. C. Conway, C. Hilton, S. S. Gray. 2021. The Role of Dispersal and Long-distance Movements in a Multi-species Outbreak of Chronic Wasting Disease. Chronic Wasting Disease Alliance. Amount: \$89,880. *Not Awarded*
 4. Gray, S. G., M. J. Cherry, **L. J. Heffelfinger**, C. Hilton, R. W. DeYoung, D. G. Hewitt. 2021. Elk Spatial Ecology and Interspecific Interactions Relative to CWD Transmission in the Texas Panhandle. USDA: Wild Cervid Chronic Wasting Disease Management and Research Activities 2021 Amount: \$248,600. *Not Awarded.*
 3. Tateman, N., O. Duvuvuei, M. J. Cherry, **L. J. Heffelfinger**, R. W. DeYoung, D. G. Hewitt. 2021. Movement and Interspecific Interactions of Susceptible Cervids in a CWD Impacted Landscape. USDA: Wild Cervid Chronic Wasting Disease Management and Research Activities 2021 Amount: \$249,175. *Not Awarded.*
 2. Cherry, M. J., **L. J. Heffelfinger**, D. G. Hewitt, R. W. DeYoung, W. C. Conway, C. Ramsey, L. A. Harveson, C. Gonzales, J. French. 2021. Deer and Elk Ecology within the Trans-Pecos and Panhandle CWD Zones of Texas. Texas Parks and Wildlife Department. Amount: \$1,819,590. *Invited for next request for proposals.*
 1. Grisham, B., C. Villalobos, R. D. Cox, W. Conway, D. Hudson, K. Lange, C. Ramsey, D. Haukos, D. Hewitt, **L. J. Heffelfinger**, C. Hagen, J. Tomecek, S. Webb, B. Riley, B. Williamson, and K. Dillard. 2020. Building resilient and profitable rangelands for agricultural producers in multi-use landscapes under environmental and economic uncertainty. USDA: Sustainable Agriculture Research and Education (Letter of Intent). Amount: \$999,951. *Not Awarded.*

Publications

Refereed Journal Articles, Book Reviews, and Book Chapters:

In Press

14. Turnley, M., W. Fairbanks, R. Lonsinger, M. J. Cherry, M. Dart, R. W. DeYoung, D. Hahn, **L. J. Heffelfinger**, C. M. J. Rickels, E. Tanner, G. H. Wang, M. C. Chitwood. Harmless tags or hazardous ads? Investigating the potential for ear tags to increase predation on neonatal ungulates. *Canadian Journal of Zoology*.

In Review

13. Dykes, J., **L. J. Heffelfinger**, T. Fulbright; J. A. Ortega, D. Weimers, R. W. DeYoung. Habitat Manipulation to Increase Heterogeneity and Cervid Space Use. *Rangeland Ecology and Management*.

Published

12. Dart, M., M. Turnley, C. M. J. Rickels, E. Tanner, M. C. Chitwood, R. W. DeYoung, W. Fairbanks, D. Hahn, **L. J. Heffelfinger**, R. Lonsinger, G. H. Wang, M. J. Cherry. Predator-induced injury of a neonate cues abandonment of current reproductive investment. *Ecology*.
11. **Heffelfinger, L. J.**, D. G. Hewitt, J. P. Vasquez, T. E. Fulbright, R. W. DeYoung, L. A. Harveson, W. C. Conway, S. S. Gray. Agricultural Landscape Structure Shapes Mule Deer Spatial Ecology and Limits Space Use. *Movement Ecology*.
10. Ellis, C. C., M. J. Cherry, S. S. Gray, D. G. Hewitt, **L. J. Heffelfinger**. Early-life Movement Ecology of a Cervid: Implications for Chronic Wasting Disease. *Ecological Solutions and Evidence*.
9. **Heffelfinger, L. J.**, 2024. Sexual Segregation in Ungulates: Ecology, Behavior, and Conservation By R. Terry Bowyer, Baltimore, Maryland: John Hopkins University Press. 2022. pp. 200. \$74.99 (hardcover). ISBN: 9781421445069. The Journal of Wildlife Management, 89(1), p.e22665.
8. Reeves, A. M., S. Gray, J. C. Campbell, L. A. Harveson, C. D. Hilton, **L. J. Heffelfinger**, C. M. Springer, D. G. Hewitt, W. C. Conway, B. Dittmar. 2024. Hematology and Biochemical Reference Intervals for Free-Ranging Mule Deer (*Odocoileus hemionus*) In West Texas. *Journal of Zoo and Wildlife Medicine* 55: 1019-1031.
7. **Heffelfinger, L. J.**, and J. R. Heffelfinger. 2023. *Physical Characteristics*. In K. R. Krausman and J. R. Heffelfinger (Eds.), *Ecology and Management of Black-tailed Deer and Mule Deer in North America*. CRC Press
6. Lindbloom, A., P. Bauman, A. Foster, L. Fox, S. Gray, **L. J. Heffelfinger**, L. Meduna, and S. Stevens. 2023. *Great Plains Ecoregion*. In K. R. Krausman and J. R. Heffelfinger (Eds.), *Ecology and Management of Black-tailed Deer and Mule Deer in North America*. CRC Press
5. **Heffelfinger, L. J.**, D. G. Hewitt, R. W. DeYoung, T. E. Fulbright, L. A. Harveson, W. C. Conway, S. S. Gray. 2023. Shifting Agriculture and a Depleting Aquifer: Implications of Row-Crop Farming on Mule Deer Population Performance. *Animal Production Science* 63:1633-1647.
4. Blackburn, A., **L. J. Heffelfinger**, A. M. Veals, M. E. Tewes, and J. H. Young Jr. 2021. Cats, Cars, and Crossings: The Consequences of Road Networks Towards the Conservation of an Endangered Felid. *Global Ecology and Conservation* 27, p.e01582.
3. **Heffelfinger, L. J.**, K. M. Stewart, K. T. Shoemaker, N. W. Darby, and V. C. Bleich. 2020. Balancing Current and Future Reproductive Investment: Variation in Resource Selection During Stages of Reproduction in a Long-Lived Herbivore. *Frontiers in Ecology and Evolution* 8:163.
2. **Heffelfinger, L. J.**, K. M. Stewart, A. P. Bush, J. S. Sedinger, and V. C. Bleich. 2018. Timing of Precipitation in an Arid Environment: Effects on Population Performance of a Large Herbivore. *Ecology and Evolution* 8:3354-3366.
1. Shoemaker, K. T., **L. J. Heffelfinger**, N. J. Jackson, M. E. Blum, T. Wasley and K. M. Stewart. 2018. A Machine-learning Approach for Extending Classical Wildlife Resource Selection Analyses. *Ecology and Evolution* 8:3556-3569.

In Advanced Preparation (drafts available upon request)

Ellis, C. C., **Heffelfinger, L. J.**, D. G. Hewitt, R. W. DeYoung, T. E. Fulbright, L. A. Harveson, W. C. Conway, S. S. Gray, M. J. Cherry. Drivers and Consequences of Site Fidelity of an Ungulate in a Highly Dynamic Landscape. Anticipated outlet: *Landscape Ecology*

Heffelfinger, L. J., R. Reitz, D. Pfeiffer, D. B. Wester, R. W. DeYoung, and D. G. Hewitt. Chronic Limitation of Dietary Energy Cues Physiological Trade-Off Between Optimum Growth and Reproduction. Anticipated Outlet: *Ecological Applications*

Technical Reports and Popular Articles:

13. **Heffelfinger, L.J.** C.C. Ellis, and M.J. Cherry. 2024. Rut Behavior and Movement of Texas Panhandle Mule Deer. Texas Wildlife Magazine.

12. **Heffelfinger, L. J.** 2023. Exploring the Mystery of Mule Deer Rut Behavior. Wildlife Research Magazine of the Caesar Kleberg Wildlife Research Institute.
11. **Heffelfinger, L. J.,** R. L. Reitz, D. G. Pfeffer, R. W. DeYoung, D. G. Hewitt, and D. B. Wester. 2022. Small Yet Still Productive: The Influence of Dietary Energy on Deer Size, Antlers, and Reproduction. Caesar Kleberg Tracks Magazine.
10. **Heffelfinger, L. J.** 2022. Are Center Pivots Pivotal for Mule Deer in the Southern Great Plains? The Mule Deer Foundation Magazine.
9. Ellis, C. C., **L. J. Heffelfinger,** and M. J. Cherry. 2021. The Past, Present, and Future of Chronic Wasting Disease in Texas. Hunting, Trapping, and Conservation Working Group of The Wildlife Society Newsletter.
8. Ellis, C. C., **L. J. Heffelfinger,** and M. J. Cherry. 2021. The Past, Present, and Future of Chronic Wasting Disease in Texas. Wildlife Management Bulletin of the Caesar Kleberg Wildlife Research Institute, Texas A&M University-Kingsville.
7. **Heffelfinger, L. J.,** D. G. Hewitt, R. W. DeYoung, T. E. Fulbright, W. C. Conway, L. A. Harveson, S. S. Gray, and D. J. Wright. 2021. Influence of Agriculture on Mule Deer (*Odocoileus hemionus*) in the Texas Panhandle. Federal Aid Annual Report.
6. **Heffelfinger, L. J.** 2020. The Influence of Agriculture on Mule Deer Movement and Survival in the Texas Panhandle. Landowner Collaborative Report.
5. **Heffelfinger, L. J.,** D. G. Hewitt, R. W. DeYoung, T. E. Fulbright, W. C. Conway, L. A. Harveson, S. S. Gray, and D. J. Wright. 2020. Influence of Agriculture on Mule Deer (*Odocoileus hemionus*) in the Texas Panhandle. Federal Aid Annual Report.
4. **Heffelfinger, L. J.,** D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2019. Panhandle Mule Deer: How Agriculture Affects Movement, Size, and Population Health. Texas Wildlife Magazine.
3. **Heffelfinger, L. J.,** J. R. Lampman, L. S. Warner, D. G. Hewitt, R. W. DeYoung, T. E. Fulbright, W. C. Conway, L. A. Harveson, S. S. Gray, D. J. Wright. 2019. Influence of Agriculture on Mule Deer (*Odocoileus hemionus*) in the Texas Panhandle. Federal Aid Annual Report.
2. **Heffelfinger, L. J.,** L. S. Warner, J. R. Lampman. 2019. The Influence of Agriculture on Mule Deer Movement and Survival in the Texas Panhandle. Landowner Collaborative Report.
1. Warner, L. S., J. R. Lampman, **L. J. Heffelfinger,** D. G. Hewitt, R. W. DeYoung, T. E. Fulbright, W. C. Conway, L. A. Harveson, S. S. Gray, D. J. Wright. 2018. Influence of Agriculture on Mule Deer (*Odocoileus hemionus*) in the Texas Panhandle. Federal Aid Annual Report.

Refereed Abstracts

82. Halseth-Ellis, A.N., A.M. Martin, M.J. Cherry, W.C. Conway, A.K. Ibarra, D.G. Hewitt, W.E. Cook, R.W. DeYoung, J.T. French, L.A. Harveson, S.S. Gray, C.L. Ramsey, L.J. Heffelfinger. 2025. Modeling Chronic Wasting Disease dynamics among three sympatric cervid species. 16th Biennial Western Association of Fish and Wildlife Agencies Deer and Elk Workshop. Nanaimo, British Columbia, Canada.
81. Koeck, M. M., C. C. Ellis, R. C. Lonsinger, L. J. Heffelfinger, M. J. Cherry, A. K. Moeller, W. S. Fairbanks, and M. C. Chitwood. 2025. Evaluating the interactions between mule deer and white-tailed deer in western Oklahoma. 16th Biennial WAFWA Deer and Elk Workshop, Nanaimo, British Columbia, Canada.
80. Ellis, C. C., M. J. Cherry, M. M. Koeck, M. C. Chitwood, A. K. Moeller, R. C. Lonsinger, W. S. Fairbanks, and L. J. Heffelfinger. 2025. The western Oklahoma mule deer project: an overview. 16th Biennial WAFWA Deer and Elk Workshop, Nanaimo, British Columbia, Canada.
79. Ellis, C.C., M. J. Cherry, R. W. DeYoung, T. E. Fulbright, L. A. Harveson, W.C. Conway, S.S. Gray, D. G. Hewitt, and L. J. Heffelfinger. 2025. Balancing Food and Fear: Fine-scale Resource Selection

- Patterns of Mule Deer While in Agricultural Fields. Western Association of Fish and Wildlife Agencies Deer and Elk Workshop. Nanaimo, BC.
78. Lovasik, K. T., B. D. Spencer, C. C. Ellis, W. C. Conway, R. W. DeYoung, T. E. Fulbright, S. S. Gray, L. A. Harveson, D. G. Hewitt, L. J. Heffelfinger, M. J. Cherry. 2025. Capture effects on mule deer site fidelity and activity. Western Association of Fish and Wildlife Agencies Deer and Elk Workshop. Nanaimo, BC.
77. Turnley, M. T., W. S. Fairbanks, R. C. Lonsinger, M. J. Cherry, M. M. Dart, R. W. DeYoung, D. P. Hahn, L. J. Heffelfinger, C. M. J. Rickels, E. P. Tanner, H. G. Wang, and M. C. Chitwood. 2025. Harmless tags or hazardous ads? Investigating the potential for ear tags to increase predation on neonatal ungulates. Oklahoma Natural Resources Conference, Oklahoma City, Oklahoma.
76. Koeck, M. M., C. C. Ellis, L. J. Heffelfinger, A. K. Moeller, R. C. Lonsinger, W. S. Fairbanks, M. J. Cherry, and M. C. Chitwood. 2025. An overview of year one of the Oklahoma mule deer project. Oklahoma Natural Resources Conference, 7-8 April. Oklahoma City, OK.
75. Nouzille, C. M., K. G. McDaniel, R. S. Alonso, D. G. Hewitt, R. W. DeYoung, G. M. Harris, L. J. Heffelfinger, C. D. Hilton, D. L. Karelus, C. Wultsch, M. J. Cherry, and L. S. Petracca. 2025. Mountain Lion (*Puma concolor*) movement behavior around a large anthropogenic barrier. 61st Annual Meeting of the Texas Chapter of The Wildlife Society. Denton, TX.
74. Nouzille, C. M., K. G. McDaniel, R. S. Alonso, D. G. Hewitt, R. W. DeYoung, G. M. Harris, L. J. Heffelfinger, C. D. Hilton, D. L. Karelus, C. Wultsch, M. J. Cherry, and L. S. Petracca. 2025. Mountain Lion (*Puma concolor*) movement around a large anthropogenic barrier. 14th Western Association of Fish and Wildlife Agencies Mountain Lion Workshop. Albuquerque, New Mexico.
73. Barton, H., J. French, C. Gonzalez, L. J. Heffelfinger, F. Hernandez, and S. S. Gray. 2025. Seasonality of Competition Potential Between Desert Bighorn and Mule Deer on Elephant Mountain Wildlife Management Area. 61st Annual Meeting, Texas Chapter of The Wildlife Society, Denton, TX
72. Pearson, K.A., S. Rainey, C.E. Cooper, N.M. Cherry, L.J. Heffelfinger, J.O. Sarturi, J.P. Muir, A.B. Norris. 2025. Seasonal Dynamics of Browse Nutritive Value in the Southern Cross Timbers and Prairies of Texas. Texas Chapter of the Wildlife Society Conference. 2025 Feb. 19 – 21. Houston, TX. Presentation.
71. Pearson, K.A., S. Rainey, C.E. Cooper, N.M. Cherry, L.J. Heffelfinger, J.O. Sarturi, J.P. Muir, A.B. Norris. 2025. Landscape Use and Spatiotemporal Overlap of Native and Exotic Species in the Southern Cross Timbers and Prairies of Texas. Society for Range Management Annual Meeting. 2025 Feb. 9-13. Spokane, Washington. Presentation.
70. Ibarra, A.K., C.C. Ellis, M.J. Cherry, M.C. Chitwood, W.S. Fairbanks, M.M. Koeck, R.C. Lonsinger, A.K. Moeller, and L.J. Heffelfinger. 2025. Weather variables predicting mule deer parturition timing and birth site characteristics. 61st Annual Meeting of the Texas Chapter of the Wildlife Society, Denton, Texas.
69. Kleeberg, B.A., T. E. Fulbright, M. J. Cherry, W. C. Conway, M. M. Dart, R. W. DeYoung, S. S. Gray, D. G. Hewitt, G. Mizer, A. P. Opatz, E. P. Tanner, and L. J. Heffelfinger. 2025. Functional response of pronghorn space use relative to anthropogenic landscape factors. 61st Annual Meeting of the Texas Chapter of The Wildlife Society, Denton, Texas.
68. Halseth-Ellis, A.N., A.M. Martin, M.J. Cherry, W.C. Conway, R.W. DeYoung, J.T. French, S.S. Gray, C. L. Ramsey, and L. J. Heffelfinger. 2025. Assessing Potential Biases Introduced by Common Assumptions in Chronic Wasting Disease Predictive Modeling. 61st Annual Meeting of the Texas Chapter of The Wildlife Society, Denton, Texas.
67. Ellis, C.C., M.J. Cherry, M.M. Koeck, M.C. Chitwood, A.K. Moeller, R.C. Lonsinger, W.S. Fairbanks, and L.J. Heffelfinger. 2025. Behavioral interactions between native and non-native ungulate species in the southern Great Plains. 61st Annual Meeting of the Texas Chapter of the Wildlife Society, Denton, Texas.

66. Dart, M. M., E. P. Tanner, T. E. Fulbright, A. P. Opatz, L. J. Heffelfinger, D. G. Hewitt, R. W. DeYoung, S. S. Gray, M. J. Cherry. 2025. Linking behavioral states with movement to examine resource selection dynamics of pronghorn in the southern shortgrass prairie. 78th Annual Meeting of the Society for Range Management Annual Meeting. Spokane, WA.
65. Dart, M. M., E. P. Tanner, M. T. Turnley, C. M. J. Rickels, R. C. Lonsinger, W. S. Fairbanks, M. C. Chitwood, L. J. Heffelfinger, R. W. DeYoung, H. G. Wang, M. J. Cherry. 2025. Identifying drivers of radio-linked neonate collar performance. 61st Annual Meeting of the Texas Chapter of The Wildlife Society. Denton, TX.
64. Rickels, C. M. J., M. J. Cherry, M. C. Chitwood, M. M. Dart, R. W. DeYoung, W. S. Fairbanks, D. P. Hahn, R. C. Lonsinger, E. P. Tanner, M. T. Turnley, H. G. Wang, and L. J. Heffelfinger. 2025. Drivers of adult pronghorn survival near the species' geographic extent. 61st Annual Meeting of the Texas Chapter of The Wildlife Society, Denton, Texas.
63. Ellis, C., M. Cherry, M. M. Koeck, M. C. Chitwood, A. K. Moeller, R. C. Lonsinger, W. S. Fairbanks, and L. Heffelfinger. 2024. The Oklahoma mule deer research project: evaluating population performance and abundance estimation methods. 31st Annual Conference of The Wildlife Society, Baltimore, Maryland.
62. Koeck, M. M., C. Ellis, M. Cherry, W. S. Fairbanks, L. Heffelfinger, R. C. Lonsinger, A. K. Moeller, and M. C. Chitwood. 2024. Evaluating the interactions between mule deer and white-tailed deer in western Oklahoma. 31st Annual Conference of The Wildlife Society, Baltimore, Maryland.
61. Laughlin, L., D. Hahn, M. Turnley, M. Dart, C. Rickels, L. Heffelfinger, E. Tanner, M. Cherry, R. W. DeYoung, G. Wang, W. S. Fairbanks, M. C. Chitwood, and R. C. Lonsinger. 2024. Prevalence of Oklahoma pronghorn in the diets of coyotes. 31st Annual Conference of The Wildlife Society, Baltimore, Maryland.
60. Rickels, C., M. Cherry, M. C. Chitwood, M. Dart, R. W. DeYoung, W. S. Fairbanks, D. Hahn, R. C. Lonsinger, E. Tanner, M. Turnley, G. Wang, and L. Heffelfinger. 2024. Living on the edge: adult pronghorn survival near the species' range extent in Oklahoma. 31st Annual Conference of The Wildlife Society, Baltimore, Maryland.
59. Pearson, K.A., S. Rainey, C.E. Cooper, N.M. Cherry, L.J. Heffelfinger, J.O. Sarturi, J.P. Muir, A.B. Norris. 2024. Nutritive Value Dynamics with the Addition of polyethylene glycol (PEG) of White-tailed Deer Browse Species in the Southern Cross Timbers and Prairies of Texas. NRM Research Day. 2024 April 24. Lubbock, Texas Poster.
58. Pearson, K.A., S. Rainey, C.E. Cooper, N.M. Cherry, L.J. Heffelfinger, J.O. Sarturi, J.P. Muir, A.B. Norris. 2024. Nutritive Value Dynamics of White-tailed Deer Browse Species in the Southern Cross Timbers and Prairies of Texas. Davis College Research Day. 2024 Sept. 26. Lubbock, Texas. Poster.
57. Nouzille, C. M., M. J. Cherry, McDaniel, K. G., R. Alonso, D. G. Hewitt, R. W. DeYoung, L. J. Heffelfinger, C. D. Hilton, D. Karelus, G. Harris, and L. S. Petracca. 2024. Investigating the potential impacts of a large anthropogenic barrier on the ecology of mountain lions (*Puma concolor*) in South Texas. The Wildlife Society National Conference. Baltimore, MD.
56. Turnley, M.T., W.S. Fairbanks, M.J. Cherry, M.M. Dart, R.W. DeYoung, D.P. Hahn, **L.J. Heffelfinger**, R.C. Lonsinger, E.P. Tanner, H.G. Wang, and M.C. Chitwood. 2024. Fate from feces? Investigating pre-parturition diet indices as predictors of offspring survival in pronghorn. Oklahoma Chapter of the Wildlife Society Annual Meeting. Edmond, Oklahoma.
55. Kerbow, J.K., C. Newberry, C. Ramsey, K. Mote, J. Foster, **L.J. Heffelfinger**. 2024. White-Tailed Deer Spatial Ecology in an Agricultural Environment. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
54. Nouzille, C. M., M. J. Cherry, R. W. DeYoung, J. W. Evans, G. M. Harris, **L. J. Heffelfinger**, C. D. Hilton, D. L. Karelus, K. G. McDaniel, and L. S. Petracca. 2024. Movement and foraging ecology of

- mountain lions (*Puma concolor*) in South Texas. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
53. Dart, M.M., E.P. Tanner, M.T. Turnley, D.P. Hahn, W.S. Fairbanks, M.C. Chitwood, R.C. Lonsinger, **L.J. Heffelfinger**, R.W. DeYoung, H.G. Wang, M.J. Cherry. 2024. Examining population dynamics and spatial ecology of a declining population of pronghorn in the southern Great Plains. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
52. McDaniel, K. G., M. J. Cherry, R. W. DeYoung, J. W. Evans, D. L. Karelus, G. M. Harris, **L. J. Heffelfinger**, C. D. Hilton, C. M. Nouzille, and L. S. Petracca. 2024. Movement ecology, dispersal, and genetic relatedness of mountain lions (*Puma concolor*) in South Texas and Mexico. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
51. Barton, H., C. Gonzalez, J. French, **L.J. Heffelfinger**, F. Hernandez, S.S. Gray. 2024. Seasonality of Competition Potential Between Desert Bighorn and Mule Deer on Elephant Mountain Wildlife Management Area. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
50. Hahn, D.P., R.C. Lonsinger, M.C. Chitwood, M.T. Turnley, M.M. Dart, **L.J. Heffelfinger**, E.P. Tanner, M.J. Cherry, R.W. DeYoung, H.G. Wang, and W.S. Fairbanks. 2024. Cropland influences on pronghorn behavior in the Oklahoma Panhandle. Oklahoma Chapter of The Wildlife Society Annual Meeting. Edmond, Oklahoma.
49. Ellis, C.C., **L.J. Heffelfinger**, D.G. Hewitt, R.W. DeYoung, T. E. Fulbright, L.A. Harveson, W.C. Conway, S.S. Gray, M.J. Cherry. 2024. Drivers and Consequences of Mule Deer Site Fidelity in a Highly Dynamic Landscape. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
48. Dart, M.M., E.P. Tanner, T.E. Fulbright, A.P. Opatz, **L.J. Heffelfinger**, D.G. Hewitt, R.W. DeYoung, S.S. Gray, and M.J. Cherry. 2024. Behavioral state-specific resource selection of pronghorn in the Texas Panhandle. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
47. Sutherland, E., J. French, C. Gonzalez, M.J. Cherry; **L.J. Heffelfinger**, S.S. Gray; F. Hernandez. Behavioral State Specific Habitat Selection of Elk in the Trans-Pecos. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
46. Ohnishi, M., T. Okumura, J. Dykes, **L. J. Heffelfinger**. 2023. Assessing the Effects of Landscape Structure to Sika Deer to Improve the Harvesting Strategies in Japan Using a Step Selection Function. The Wildlife Society's 30th Annual Conference Meeting. Louisville, KY.
45. Hahn, D. P., R. C. Lonsinger, M. C. Chitwood, M. T. Turnley, M. M. Dart, **L. J. Heffelfinger**, E. P. Tanner, M. J. Cherry, R. W. DeYoung, H. G. Wang, and W. S. Fairbanks. 2023. Factors influencing pronghorn fawn survival in the Oklahoma Panhandle. The Wildlife Society's 30th Annual Conference Meeting. Louisville, KY.
44. Dart, M. M., E. P. Tanner, T. E. Fulbright, A. P. Opatz, **L. J. Heffelfinger**, D. G. Hewitt, R. W. DeYoung, S. S. Gray, and M. J. Cherry. 2023. Uncovering behavioral state-dependent resource selection in pronghorn: implications for targeted management strategies. The Wildlife Society's 30th Annual Conference Meeting. Louisville, KY.
43. Dart, M. M., E. P. Tanner, T. E. Fulbright, A. P. Opatz, **L. J. Heffelfinger**, D. G. Hewitt, R. W. DeYoung, S. S. Gray, and M. J. Cherry. 2023. The importance of behavioral state-specific inclusion in resource selection analyses: a case study with pronghorn. 13th International Mammalogical Congress & 102nd Annual Meeting of the American Society of Mammalogists. Anchorage, AK.
42. **Heffelfinger, L. J.**, R. L. Reitz, D. Pfeffer, D. B. Wester, R. W. DeYoung, and D. G. Hewitt. 2023. Nutrient Limitation Cues Ontogeny Shift to Maintain Future Reproduction: Implications for Variable Intra-species Morphology. 13th International Mammalogical Congress & 102nd Annual Meeting of the American Society of Mammalogists. Anchorage, AK.

41. **Heffelfinger, L. J.**, R. L. Reitz, D. Pfeffer, D. B. Wester, R. W. DeYoung, and D. G. Hewitt. 2023. Chronic Energy Limitation Cues Ontogeny Shift to Maintain Reproduction in White-tailed Deer. 46th Annual Meeting of the Southeast Deer Study Group. Baton Rouge, LA.
40. Ellis, C.C., **L. J. Heffelfinger**, D.G. Hewitt, R.W. DeYoung, T.E. Fulbright, L.A. Harveson, W.C. Conway, S.S. Gray, and M.J. Cherry. 2023. Evaluating Cervid Movement Ecology in a CWD Impacted Region: A Case Study with Mule Deer. Southeastern Association of Fish and Wildlife Agencies 77th Annual Conference. Corpus Christi, TX.
39. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2023. Using Mule Deer Movement Data to Determine Fawning, Peak Rut, and Mate Search Strategy. Western Association of Fish and Wildlife Agencies Deer and Elk Workshop. Flagstaff, AZ.
38. Ellis, C.C., M.J. Cherry, S.S. Gray, D.G. Hewitt, and **L. J. Heffelfinger**. 2023. Natal Range Dispersal and Exploratory Movements of Juvenile Mule Deer: Informing Chronic Wasting Disease Management. Western Association of Fish and Wildlife Agencies Deer and Elk Workshop. Flagstaff, AZ.
37. Turnley, M. T., W. S. Fairbanks, M. J. Cherry, M. M. Dart, R. W. DeYoung, D. P. Hahn, **L. J. Heffelfinger**, R. C. Lonsinger, E. P. Tanner, H. G. Wang, and M. C. Chitwood. 2023. Fate from feces? Investigating pre-parturition diet indices as predictors of offspring survival in pronghorn. The Wildlife Society Annual Conference. Louisville, Kentucky.
36. Ellis, C. C., **L. J. Heffelfinger**, D. G. Hewitt, R. W. DeYoung, T. E. Fulbright, L. A. Harveson, W. C. Conway, S. S. Gray, and M. J. Cherry. 2023. Understanding Site Fidelity and Space Use in Mule Deer. 46th Annual Meeting of the Southeast Deer Study Group. Baton Rouge, LA.
35. Dart, M. M., E. P. Tanner, T. E. Fulbright, A. P. Opatz, **L. J. Heffelfinger**, D. G. Hewitt, R. W. DeYoung, S. S. Gray, and M. J. Cherry. 2023. Examining Seasonal Movement Behavior of Pronghorn in the Texas Panhandle. 59th Annual Texas Chapter of The Wildlife Society Meeting. Houston, Texas.
34. Hahn, D. P., R. C. Lonsinger, M. C. Chitwood, M. T. Turnley, M. M. Dart, **L. J. Heffelfinger**, E. P. Tanner, M. J. Cherry, R. W. DeYoung, H. G. Wang, and W. S. Fairbanks. 2023. Population Demography of Pronghorn (*Antilocapra americana*) in Western Oklahoma. Oklahoma Chapter of The Wildlife Society, Edmond, Oklahoma.
33. Ellis, C.C., M.J. Cherry, S.S. Gray, D.G. Hewitt, and **L. J. Heffelfinger**. 2022. Using Mule Deer Movement to Inform Management in a Chronic Wasting Disease Cluster. 58th Annual Meeting of the Texas Chapter of The Wildlife Society. Marble Falls, TX.
32. Ellis, C.C., M.J. Cherry, S.S. Gray, D.G. Hewitt, and **L. J. Heffelfinger**. 2022. Dispersal and Exploratory Movements Infer Early Life-History Processes in Mule Deer. 101st Annual Meeting of the American Society of Mammalogists. Tucson, AZ.
31. Ellis, C. C., M. J. Cherry, S. S. Gray, D. G. Hewitt, and **L. J. Heffelfinger**. 2022. Natal Range Dispersal of Juvenile Mule Deer: Implications for Chronic Wasting Disease. The Wildlife Society's 29th Annual Conference. Spokane, WA.
30. Ohnishi, M., J. Dykes, **L. J. Heffelfinger**. 2022. Development of Deer Harvesting Strategies in High-Altitude Farming Regions: Applications of Step Selection Functions. 10th International Deer Biology Congress. Osijek, Croatia.
29. **Heffelfinger, L. J.**, D. G. Hewitt, R. W. DeYoung, T. E. Fulbright, L. A. Harveson, W. C. Conway, and S. S. Gray. 2022. Understanding Cervid Spatial Ecology and Population Metrics in an Agriculture Dominated Landscape. 10th International Deer Biology Congress. Osijek, Croatia.
28. Roniss, B. G., J. Maxwell, M. T. Turnley, D. P. Hahn, M. J. Cherry, M. C. Chitwood, M. M. Dart, R. W. DeYoung, W. S. Fairbanks, **L. J. Heffelfinger**, R. C. Lonsinger, E. P. Tanner, and H. G. Wang. 2022. Monitoring the Fawn Survivorship and Parasites of Pronghorns in Western Oklahoma. Oklahoma Academy of Sciences Technical Meeting. Tulsa, OK.

27. Hahn, D. P., R. C. Lonsinger, M. C. Chitwood, M. T. Turnley, M. M. Dart, **L. J. Heffelfinger**, E. P. Tanner, M. J. Cherry, R. W. DeYoung, H. G. Wang, and W. S. Fairbanks. 2022. Population Demography and Survival of Pronghorn (*Antilocapra americana*) in Western Oklahoma. Central Plains Society of Mammalogists Annual Meeting. Cedar Creek, Missouri.
26. Ellis, C. C., M. J. Cherry, S. S. Gray, D. G. Hewitt, and **L. J. Heffelfinger**. 2022. Using Mule Deer Movement to Inform CWD Management. 45th Annual Meeting of the Southeast Deer Study Group. Virtual.
25. **Heffelfinger, L. J.**, R. L. Reitz, D. Pfeffer, D. B. Wester, R. W. DeYoung, and D. G. Hewitt. 2022. Chronic Limitation of Dietary Energy Influences Growth and Antler Size of White-tailed Deer. 58th Annual Meeting of the Texas Chapter of The Wildlife Society. Marble Falls, TX.
24. Howard, L., **L. J. Heffelfinger**, R. W. DeYoung, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, and L. A. Harveson. 2021. Influence of Agriculture on the Spatial Genetic Structure of Mule Deer in the Texas Panhandle. 57th Annual Meeting of the Texas Chapter of The Wildlife Society. Virtual.
23. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2021. Mule Deer and Anthropogenic Change: Effects of Agricultural Encroachment on Population Performance. Western Association of Fish and Wildlife Agencies-Deer and Elk Workshop. Virtual.
22. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2021. Mule Deer and Anthropogenic Change: Effects of Agricultural Encroachment on Population Performance. 57th Annual Meeting of the Texas Chapter of The Wildlife Society. Virtual.
21. **Heffelfinger, L. J.**, D. G. Hewitt, A. M. Foley, S. G. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, L. A. Harveson, D. Olson, and J. Shannon. 2020. Modeling Spatial Mate Search Strategies and Interactive Networks during Reproduction in Mule Deer. 27th Annual Meeting of The Wildlife Society. Virtual.
20. Keating, M. P., P. J. Williams, K. M. Stewart, **L. J. Heffelfinger**, and C. J. McKee. 2020. Discrete-Time Models of Animal Movement: Mule Deer as a Case Study. 27th Annual Meeting of The Wildlife Society. Virtual.
19. Vasquez, J. P., **Heffelfinger, L. J.**, D. G. Hewitt, A. M. Foley, S. G. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2020. Utilization of Specific Crop Type and Phenological Growth Stage by Mule Deer in a Fragmented Landscape. 27th Annual Meeting of The Wildlife Society. Virtual.
18. Howard, L., **L. J. Heffelfinger**, R. W. DeYoung, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, and L. A. Harveson. 2020. Influence of Agriculture on the Spatial Genetic Structure of Mule Deer in the Texas Panhandle. 56th Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, TX.
17. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2020. Mule Deer and Anthropogenic Change: Effects of Agricultural Encroachment on Population Performance. 56th Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, TX.
16. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2019. From Fallow to Fat: Resource Selection Effects on Mule Deer Morphology in a Fragmented Landscape. 26th Annual Meeting of The Wildlife Society. Reno, NV.
15. K. M. Stewart, C. Downs, M. Teglas, and **L. J. Heffelfinger**. 2019. Epizootic Bovine Abortion: Does This Tick-Borne Disease Cause Reduced Immune Function in Adults and Reduced Survival in Young Mule Deer? 26th Annual Meeting of The Wildlife Society. Reno, NV.

14. **Heffelfinger, L. J.**, L. S. Warner, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2019. Are Center Pivots Pivotal to Landscape Use? Mule Deer Movement Patterns and Habitat Use in an Agricultural Landscape. Western Association of Fish and Wildlife Agencies-Deer and Elk Workshop. Marfa, TX.
13. **Heffelfinger, L. J.**, L. S. Warner, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2019. From Fallow to Fat: Effects of Agriculture on Mule Deer Morphology in a Fragmented Landscape. Western Association of Fish and Wildlife Agencies-Deer and Elk Workshop. Marfa, TX.
12. **Heffelfinger, L. J.**, L. S. Warner, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2019. The Influence of Agriculture on Mule Deer in a Fragmented Landscape. 55th Annual Meeting of the Texas Chapter of The Wildlife Society. Conroe, TX.
11. Dykes, J. L., R. W. DeYoung, T. E. Fulbright, J. A. Ortega-S, **L. J. Heffelfinger**, and D. W. Weimers. 2019. Landscape Use by Male White-tailed Deer After Brush Management, 55th Annual Meeting of the Texas Chapter of The Wildlife Society. Conroe, TX.
10. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2019. The Influence of Agriculture on Mule Deer in a Fragmented Landscape. 25th Annual Meeting of The Wildlife Society. Cleveland, OH.
9. **Heffelfinger, L. J.**, L. S. Warner, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2018. Panhandle Mule Deer: A Survey of Body Condition and Size, Reproductive Output, and Antler Growth. 9th International Deer Biology Congress. Estes Park, CO.
8. **Heffelfinger, L. J.**, K. M. Stewart, A. P. Bush, C. J. McKee, N. W. Darby, and V. C. Bleich. 2018. A Synopsis of an 8 Year Evaluation of a Population of Mule Deer (*Odocoileus hemionus*) on the Mojave National Preserve, California USA. 9th International Deer Biology Congress. Estes Park, CO.
7. **Heffelfinger, L. J.**, L.S. Warner, D.G. Hewitt, S.S. Gray, W.C. Conway, T.E. Fulbright, R.W. DeYoung, and L.A. Harveson. 2018. Panhandle Mule Deer: A Survey of Body Condition, Size, Reproductive Output, and Antler Growth. 54th Annual Meeting of the Texas Chapter of the Wildlife Society Annual Meeting. Dallas, TX.
6. **Heffelfinger, L. J.**, K. M. Stewart, K. S. Shoemaker, V. C. Bleich and N. W. Darby. 2017. Tradeoffs Associated with Reproduction: Resource Selection of Female Mule Deer. 24th Annual Meeting of The Wildlife Society. Albuquerque, NM.
5. **Heffelfinger, L. J.**, K. M. Stewart, K. S. Shoemaker, V. C. Bleich and N. W. Darby. 2017. Tradeoffs Associated with Reproduction: Resource Selection of Female Mule Deer. Western Association of Fish and Wildlife Agencies-Deer & Elk Workshop. Sun Valley, ID.
4. **Heffelfinger, L. J.**, K. M. Stewart, V. C. Bleich, J. S. Sedinger, and N. W. Darby. 2017. Factors Influencing Juvenile Survival of Mule Deer in an Arid Environment. The Western Chapter of The Wildlife Society. Reno, NV.
3. **Heffelfinger, L. J.**, K. M. Stewart, V. C. Bleich, J. S. Sedinger, and N. W. Darby. 2016. Factors Influencing Juvenile Survival of Mule Deer in an Arid Environment. 23rd Annual Meeting of The Wildlife Society. Raleigh, NC.
2. **Heffelfinger, L. J.**, K. M. Stewart, V. C. Bleich, and J. S. Sedinger. 2016. Factors Influencing Juvenile Survival of Mule Deer in an Arid Environment. Nevada Chapter Wildlife Society Annual Meeting. Reno, NV.
1. **Heffelfinger, L. J.**, M. R. Hurrell, D. E. Brown, J. R. Heffelfinger, and A. M. Neils. 2014. Cottontail rabbit (*Sylvilagus audubonii*) abundance trend in southeastern Arizona. The Wildlife Society Joint Annual Meeting, Arizona & New Mexico Chapter. Pinetop, AZ.

Presentations and Outreach

Invited Presentations

38. Barton, H., J. French, C. Gonzalez, L. J. Heffelfinger, F. Hernandez, and S. S. Gray. 2025. Using Satellite Imagery to Estimate Carrying Capacity of Bighorn Sheep on Elephant Mountain Wildlife Management Area. Annual Meeting of the Texas Chapter of the Mule Deer Foundation. New Braunfels, TX
37. Ibarra, A.K. , A.N. Halseth-Ellis, M.J. Cherry, W.C. Conway, W.E. Cook, R.W. DeYoung, J.T. French, S.S. Gray, L.A. Harveson, D.G. Hewitt, A.M. Martin, C.L. Ramsey, L.J. Heffelfinger. 2025. Deer and Elk Movement in Texas CWD Areas: Capture summary and movement patterns post capture. Annual Meeting of the Texas Chapter of the Mule Deer Foundation. New Braunfels, TX.
36. Halseth-Ellis, A.N., A.K. Ibarra, A.M. Martin, M.J. Cherry, W.C. Conway, W.E. Cook, R.W. DeYoung, J.T. French, S.S. Gray, L.A. Harveson, D.G. Hewitt, C.L. Ramsey, L.J. Heffelfinger. 2025. Deer and Elk Movement in Texas CWD Areas: Predicting CWD spread in the Texas panhandle and Hueco mountains. 2025. Annual Meeting of the Texas Chapter of the Mule Deer Foundation. New Braunfels, TX.
35. Ellis, C. C., M. J. Cherry, M.M. Koeck, M.C. Chitwood, A.K. Moeller, R.C. Lonsinger, W.S. Fairbanks, and L. J. Heffelfinger. 2025. Evaluating Mule Deer Population Performance in Western Oklahoma. Annual Meeting of the Texas Chapter of the Mule Deer Foundation. New Braunfels, TX.
34. McDaniel, K. G., C. M. Nouzille, M. J. Cherry, R. S. Alonso, D. G. Hewitt, R. W. DeYoung, L. J. Heffelfinger, C. D. Hilton, D. L. Karelus, G. M. Harris, and L. S. Petracca. 2024. Ecology and Management of Mountain Lions (Puma Concolor) in South Texas. Dimmit County Landowner's Meeting. Carrizo Springs, TX.
33. McDaniel, K. G., C. M. Nouzille, M. J. Cherry, R. Alonso, D. G. Hewitt, R. W. DeYoung, L. J. Heffelfinger, C. D. Hilton, D. Karelus, G. Harris, and L. S. Petracca. 2024. Ecology and Management of Mountain Lions (Puma Concolor) in South Texas. Texas Parks and Wildlife District 11 Meeting. Kingsville, TX.
32. McDaniel, K. G., M. J. Cherry, C. M. Nouzille, R. Alonso, D. G. Hewitt, R. W. DeYoung, L. J. Heffelfinger, C. D. Hilton, D. Karelus, G. Harris, and L. S. Petracca. 2024. Introduction to the South Texas Lion Project. Caesar Kleberg Wildlife Research Institute Partner Reception. San Antonio, TX.
31. Ellis C.C., L.J. Heffelfinger, D.G. Hewitt, R.W. DeYoung, T. E. Fulbright, L.A. Harveson, W.C. Conway, S.S. Gray, M.J. Cherry. 2024. Space Use Overlap and Juvenile Movement in Panhandle Mule Deer. Texas Parks and Wildlife's Mule Deer and Pronghorn Committee Meeting. Alpine, TX.
30. Rickels, C.M.J, L. J. Heffelfinger, M. J. Cherry, M. C. Chitwood, M. M. Dart, R. W. DeYoung, W. S. Fairbanks, D. P. Hahn, R. C. Longsinger, E. P. Tanner, M. T. Turnley, H. G. Wang. 2024. Oklahoma Pronghorn Project: Overview and Update. Mule Deer and Pronghorn Committee Meeting, Texas Parks and Wildlife Department. Alpine, TX.
29. Ellis, C.C., L.J. Heffelfinger, M.J. Cherry, M.C. Chitwood, M. Koeck, A. Moeller, W.S. Fairbanks, R. Lonsinger. 2024. The Oklahoma Mule Deer Project: Update and Overview. Texas Parks and Wildlife's Mule Deer and Pronghorn Committee Meeting. Alpine, TX.
28. Barton, H., J. French, C. Gonzalez, S. S. Gray, F. Hernandez, and L. J. Heffelfinger. 2024. Carrying Capacity, Competition, and Disease Risk to Desert Bighorn at Elephant Mountain Wildlife Management Area. Annual Meeting of the Texas Chapter of the Mule Deer Foundation. New Braunfels, TX

27. **Heffelfinger, L.J.** 2024. Integrating Spatial, Demographic, and Nutritional Ecology into Large Mammal Conservation and Research. 2024 Distinguished Speaker Award: Department of Natural Resource Ecology and Management—Oklahoma State University
26. **Heffelfinger, L.J.,** C.C. Ellis, M.J. Cherry, M.C. Chitwood, M. Koeck, A. Moeller, W.S. Fairbanks, and R. Lonsinger. 2024. The Oklahoma Mule Deer Project: Intro and Overview. Annual Meeting of the Texas Chapter of the Mule Deer Foundation. New Braunfels, TX.
25. Ellis, C.C., **L.J. Heffelfinger,** D.G. Hewitt, R.W. DeYoung, T. E. Fulbright, L.A. Harveson, W.C. Conway, S.S. Gray, and M.J. Cherry. 2024. Factors Influencing Mule Deer Seasonal Range Overlap in the Texas Panhandle. Annual Meeting of the Texas Chapter of the Mule Deer Foundation. New Braunfels, TX.
24. Turnley, M.T., W.S. Fairbanks, M.J. Cherry, M.M. Dart, R.W. DeYoung, D.P. Hahn, **L.J. Heffelfinger,** R.C. Lonsinger, C.M. Rickels, E.P. Tanner, H.G. Wang, and M.C. Chitwood. 2024. Movement and demography of pronghorn in Oklahoma: Year 2. Oklahoma Wildlife Conservation Commission Meeting. Oklahoma City, Oklahoma.
23. Stewart, K. M., T. Bowyer, N. Jackson, M. Blum, **L. J. Heffelfinger.** 2023. Life-history Consequences of Density Dependence in Ungulates. 13th International Mammalogical Congress & 102nd Annual Meeting of the American Society of Mammalogists. Anchorage, AK.
22. Ellis, C.C., **L.J. Heffelfinger,** D.G. Hewitt, R.W. DeYoung, T.E. Fulbright, L.A. Harveson, W.C. Conway, S.S. Gray, and M.J. Cherry. 2023. Mule Deer Spatial Ecology: Informing Chronic Wasting Disease Management. Texas Parks and Wildlife Department Mule Deer and Pronghorn Technical Committee Meeting. Rotan, TX.
21. Dart, M. M., E. P. Tanner, **L. J. Heffelfinger,** M. C. Chitwood, R. W. DeYoung, D. Hahn, W. S. Fairbanks, R. C. Lonsinger, M. T. Turnley, H. G. Wang, and M. J. Cherry. 2023. Movement and Demography of Pronghorn in Western Oklahoma. Texas Parks and Wildlife Department Mule Deer and Pronghorn Technical Committee Meeting. Snyder, Texas.
20. Ellis, C.C., M.J. Cherry, S.S. Gray, D.G. Hewitt, and **L.J. Heffelfinger.** 2023. Mule Deer Spatial Ecology: Implications for Chronic Wasting Disease Management. The Boone & Crockett Club Meeting at the 88th North American Wildlife and Natural Resources Conference. St. Louis, MO.
19. Ellis, C. C., M. J. Cherry, S. S. Gray, D. G. Hewitt, and **L. J. Heffelfinger.** 2023. Dispersal and Exploratory Movements of Mule Deer in the Texas Panhandle. Annual Meeting of the Texas Chapter of the Mule Deer Foundation. New Braunfels, TX.
18. **Heffelfinger, L. J.** 2022. Mule Deer Research, Past and Present. Texas Parks and Wildlife Department Pampa Wildlife Symposium. Pampa, TX.
17. **Heffelfinger, L. J.** 2022. Mule Deer Body Size, Age, and Antler Development. Texas Parks and Wildlife Department Pampa Wildlife Symposium. Pampa, TX.
16. Ellis, C. C., M. J. Cherry, S. S. Gray, D. G. Hewitt, and **L. J. Heffelfinger.** 2022. Dispersal and Exploratory Movements of Mule Deer in the Texas Panhandle. Texas Parks and Wildlife Department Pampa Wildlife Symposium. Pampa, TX.
15. Ellis, C. C., M. J. Cherry, S. S. Gray, D. G. Hewitt, and **L. J. Heffelfinger.** 2022. Juvenile Mule Deer Dispersal Threats Towards CWD and Influence of Agriculture on Mule Deer. Texas Parks and Wildlife Department Mule Deer and Pronghorn Technical Committee Meeting. Alpine, Texas.
14. Dart, M. M., E. P. Tanner, **L. J. Heffelfinger,** M. C. Chitwood, R. W. DeYoung, D. Hahn, W. S. Fairbanks, R. C. Lonsinger, M. T. Turnley, H. G. Wang, and M. J. Cherry. 2022. Movement and Demography of Pronghorn in Western Oklahoma. Texas Parks and Wildlife Department Mule Deer and Pronghorn Technical Committee Meeting. Alpine, Texas.
13. **Heffelfinger, L. J.** 2021. Current Big Game Research in the Texas Panhandle. Lubbock Sportsman's Chapter of the Dallas Safari Club Annual Committee Meeting. Lubbock, TX.

12. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2021. Mule Deer and Anthropogenic Change: Effects of Agricultural Encroachment on Movement, Morphology, and Population Performance. 87th Annual Meeting of the Boone & Crockett Club. New Orleans, LA.
11. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2021. Mule Deer Home Ranges and Movement Relative to Agriculture. Deer Research Symposium. Childress, TX.
10. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2021. Mule Deer Body Size, Age, and Antler Development. Deer Research Symposium. Childress, TX.
9. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2021. The Influence of Agriculture on Mule Deer in the Texas Panhandle, Annual Mule Deer Advisory Committee Meeting-Texas Parks and Wildlife Department. Amarillo, TX.
8. Cherry, M. J., M. C. Chitwood, R. W. DeYoung, W. S. Fairbanks, **L. J. Heffelfinger**, R. C. Lonsinger, E. P. Tanner, and H. G. Wang. 2021. Movement and Population Demography of Pronghorn in Oklahoma. Texas Parks and Wildlife Department Mule Deer and Pronghorn Technical Committee Meeting. Lubbock, Texas.
7. **Heffelfinger, L. J.**, R. L. Reitz, D. Pfeffer, D. B. Wester, R. W. DeYoung, and D. G. Hewitt. 2021. Chronic Limitation of Dietary Energy Influences Growth and Antler Size of White-tailed Deer. Annual Deer Associates Meeting of the Caesar Kleberg Wildlife Research Institute. San Antonio, TX.
6. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2021. The Influence of Agriculture on Mule Deer in the Texas Panhandle. Annual Meeting of the Texas Chapter of the Mule Deer Foundation. New Braunfels, TX.
5. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2020. The Influence of Agriculture on Mule Deer in the Texas Panhandle. Annual Meeting of the Texas Chapter of the Mule Deer Foundation. New Braunfels, TX.
4. **Heffelfinger, L. J.**, and D.G. Hewitt. 2019. White-tailed Deer Management. Ranching for Business Lectureship: Natural Resource Conservation Service. San Angelo, Texas.
3. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2019. The Influence of Agriculture on Mule Deer in the Texas Panhandle. Annual Meeting of the Texas Chapter of the Mule Deer Foundation. Fredericksburg, TX.
2. **Heffelfinger, L. J.** 2018. Mule Deer Management: Drought, Habitat, and Antlers. Presented at the White-tailed Deer Management Symposium. Union Ganadera Regional de Nuevo Leon. Monterrey, Mexico.
1. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2018. Panhandle Mule Deer: A Survey of Body Condition and Size, Reproductive Output, and Antler Growth. Annual Meeting of the Texas Chapter of the Mule Deer Foundation. Fredericksburg, TX.

Professional Oral Presentations

69. Halseth-Ellis, A.N., A.M. Martin, M.J. Cherry, W.C. Conway, A.K. Ibarra, D.G. Hewitt, W.E. Cook, R.W. DeYoung, J.T. French, L.A. Harveson, S.S. Gray, C.L. Ramsey, L.J. Heffelfinger. 2025. Modeling Chronic Wasting Disease dynamics among three sympatric cervid species. 16th Biennial Western Association of Fish and Wildlife Agencies Deer and Elk Workshop. Nanaimo, British Columbia, Canada.
68. Barton, H., J. French, C. Gonzalez, L. J. Heffelfinger, F. Hernandez, and S. S. Gray. 2025. Seasonality of Competition Potential Between Desert Bighorn and Mule Deer on Elephant Mountain Wildlife Management Area. 61st Annual Meeting, Texas Chapter of The Wildlife Society, Denton, TX

67. Ellis, C.C., M. J. Cherry, R. W. DeYoung, T. E. Fulbright, L. A. Harveson, W.C. Conway, S.S. Gray, D. G. Hewitt, and L. J. Heffelfinger. 2025. Balancing Food and Fear: Fine-scale Resource Selection Patterns of Mule Deer While in Agricultural Fields. Western Association of Fish and Wildlife Agencies Deer and Elk Workshop. Nanaimo, BC.
66. Lovasik, K. T., B. D. Spencer, C. C. Ellis, W. C. Conway, R. W. DeYoung, T. E. Fulbright, S. S. Gray, L. A. Harveson, D. G. Hewitt, L. J. Heffelfinger, M. J. Cherry. 2025. Capture effects on mule deer site fidelity and activity. Western Association of Fish and Wildlife Agencies Deer and Elk Workshop. Nanaimo, BC.
65. Cash, K. B., M. M. Koeck, C. C. Ellis, R. C. Lonsinger, L. J. Heffelfinger, M. J. Cherry, A. K. Moeller, W. S. Fairbanks, and M. C. Chitwood. 2025. Blood chemistry profiles of mule deer in western Oklahoma. Undergraduate Research Symposium, Oklahoma State University, Stillwater, Oklahoma.
64. Sellers, L. H., R. C. Lonsinger, M. T. Turnley*, D. P. Hahn, M. M. Dart, C. M. J. Rickels, L. J. Heffelfinger, E. P. Tanner, M. J. Cherry, R. W. DeYoung, G. Wang, W. S. Fairbanks, and M. C. Chitwood. 2025. Serological evaluation of free-ranging male and female pronghorn in the southern Great Plains. Undergraduate Research Symposium, Oklahoma State University, Stillwater, Oklahoma.
63. Turnley, M. T., W. S. Fairbanks, R. C. Lonsinger, M. J. Cherry, M. M. Dart, R. W. DeYoung, D. P. Hahn, L. J. Heffelfinger, C. M. J. Rickels, E. P. Tanner, H. G. Wang, and M. C. Chitwood. 2025. Harmless tags or hazardous ads? Investigating the potential for ear tags to increase predation on neonatal ungulates. Oklahoma Natural Resources Conference, Oklahoma City, Oklahoma.
62. Koeck, M. M., C. C. Ellis, L. J. Heffelfinger, A. K. Moeller, R. C. Lonsinger, W. S. Fairbanks, M. J. Cherry, and M. C. Chitwood. 2025. An overview of year one of the Oklahoma mule deer project. Oklahoma Natural Resources Conference, 7-8 April. Oklahoma City, OK.
61. Nouzille, C. M., K. G. McDaniel, R. S. Alonso, D. G. Hewitt, R. W. DeYoung, G. M. Harris, L. J. Heffelfinger, C. D. Hilton, D. L. Karelus, C. Wultsch, M. J. Cherry, and L. S. Petracca. 2025. Mountain Lion (*Puma concolor*) movement behavior around a large anthropogenic barrier. 61st Annual Meeting of the Texas Chapter of The Wildlife Society. Denton, TX.
60. Nouzille, C. M., K. G. McDaniel, R. S. Alonso, D. G. Hewitt, R. W. DeYoung, G. M. Harris, L. J. Heffelfinger, C. D. Hilton, D. L. Karelus, C. Wultsch, M. J. Cherry, and L. S. Petracca. 2025. Mountain Lion (*Puma concolor*) movement around a large anthropogenic barrier. 14th Western Association of Fish and Wildlife Agencies Mountain Lion Workshop. Albuquerque, New Mexico.
59. Pearson, K.A., S. Rainey, C.E. Cooper, N.M. Cherry, L.J. Heffelfinger, J.O. Sarturi, J.P. Muir, A.B. Norris. 2025. Landscape Use and Spatiotemporal Overlap of Native and Exotic Species in the Southern Cross Timbers and Prairies of Texas. Society for Range Management Annual Meeting. Spokane, Washington.
58. Ibarra, A.K., C.C. Ellis, M.J. Cherry, M.C. Chitwood, W.S. Fairbanks, M.M. Koeck, R.C. Lonsinger, A.K. Moeller, and L.J. Heffelfinger. 2025. Weather variables predicting mule deer parturition timing and birth site characteristics. 61st Annual Meeting of the Texas Chapter of the Wildlife Society, Denton, Texas.
57. Pearson, K.A., S. Rainey, C.E. Cooper, N.M. Cherry, L.J. Heffelfinger, J.O. Sarturi, J.P. Muir, A.B. Norris. 2025. Seasonal Dynamics of Browse Nutritive Value in the Southern Cross Timbers and Prairies of Texas. Texas Chapter of the Wildlife Society Conference. Houston, TX.
56. Kleeberg, B.A., T. E. Fulbright, M. J. Cherry, W. C. Conway, M. M. Dart, R. W. DeYoung, S. S. Gray, D. G. Hewitt, G. Mizer, A. P. Opatz, E. P. Tanner, and L. J. Heffelfinger. 2025. Functional response of pronghorn space use relative to anthropogenic landscape factors. 61st Annual Meeting of the Texas Chapter of The Wildlife Society, Denton, Texas.
55. Halseth-Ellis, A.N., A.M. Martin, M.J. Cherry, W.C. Conway, R.W. DeYoung, J.T. French, S.S. Gray, C. L. Ramsey, and L. J. Heffelfinger. 2025. Assessing Potential Biases Introduced by Common

- Assumptions in Chronic Wasting Disease Predictive Modeling. 61st Annual Meeting of the Texas Chapter of The Wildlife Society, Denton, Texas.
54. Ellis, C.C., M.J. Cherry, M.M. Koeck, M.C. Chitwood, A.K. Moeller, R.C. Lonsinger, W.S. Fairbanks, and L.J. Heffelfinger. 2025. Behavioral interactions between native and non-native ungulate species in the southern Great Plains. 61st Annual Meeting of the Texas Chapter of the Wildlife Society, Denton, Texas.
53. Barton, H., J. French, C. Gonzalez, L. J. Heffelfinger, F. Hernandez, and S. S. Gray. 2025. Using Satellite Imagery to Estimate Carrying Capacity of Bighorn Sheep on Elephant Mountain Wildlife Management Area. 8th Annual Sul Ross State University Research Symposium, Alpine, TX
52. Barton, H., J. French, C. Gonzalez, L. J. Heffelfinger, F. Hernandez, and S. S. Gray. 2025. Using Satellite Imagery to Estimate Carrying Capacity of Bighorn Sheep on Elephant Mountain Wildlife Management Area. 58th Meeting of the Desert Bighorn Council, Gold Canyon, AZ
51. Barton, H., J. French, C. Gonzalez, L. J. Heffelfinger, F. Hernandez, and S. S. Gray. 2025. Using Satellite Imagery to Estimate Carrying Capacity of Bighorn Sheep on Elephant Mountain Wildlife Management Area. 36th Annual Texas Bighorn Society Round-up: Research Update, Boerne, TX
50. Dart, M. M., E. P. Tanner, T. E. Fulbright, A. P. Opatz, L. J. Heffelfinger, D. G. Hewitt, R. W. DeYoung, S. S. Gray, M. J. Cherry. 2025. Linking behavioral states with movement to examine resource selection dynamics of pronghorn in the southern shortgrass prairie. 78th Annual Meeting of the Society for Range Management Annual Meeting. Spokane, WA.
49. Dart, M. M., E. P. Tanner, M. T. Turnley, C. M. J. Rickels, R. C. Lonsinger, W. S. Fairbanks, M. C. Chitwood, L. J. Heffelfinger, R. W. DeYoung, H. G. Wang, M. J. Cherry. 2025. Identifying drivers of radio-linked neonate collar performance. 61st Annual Meeting of the Texas Chapter of The Wildlife Society. Denton, TX.
48. Rickels, C. M. J., M. J. Cherry, M. C. Chitwood, M. M. Dart, R. W. DeYoung, W. S. Fairbanks, D. P. Hahn, R. C. Lonsinger, E. P. Tanner, M. T. Turnley, H. G. Wang, and L. J. Heffelfinger. 2025. Drivers of adult pronghorn survival near the species' geographic extent. 61st Annual Meeting of the Texas Chapter of The Wildlife Society, Denton, Texas.
47. Nouzille, C. M., M. J. Cherry, McDaniel, K. G., R. Alonso, D. G. Hewitt, R. W. DeYoung, L. J. Heffelfinger, C. D. Hilton, D. Karelus, G. Harris, and L. S. Petracca. 2024. Investigating the potential impacts of a large anthropogenic barrier on the ecology of mountain lions (*Puma concolor*) in South Texas. The Wildlife Society National Conference. Baltimore, MD.
46. Pearson, K.A., S. Rainey, C.E. Cooper, N.M. Cherry, L.J. Heffelfinger, J.O. Sarturi, J.P. Muir, A.B. Norris. 2024. Nutritive Value Dynamics with the Addition of polyethylene glycol (PEG) of White-tailed Deer Browse Species in the Southern Cross Timbers and Prairies of Texas. NRM Research Day. 2024 April 24. Lubbock, Texas Poster.
45. Pearson, K.A., S. Rainey, C.E. Cooper, N.M. Cherry, L.J. Heffelfinger, J.O. Sarturi, J.P. Muir, A.B. Norris. 2024. Nutritive Value Dynamics of White-tailed Deer Browse Species in the Southern Cross Timbers and Prairies of Texas. Davis College Research Day. 2024 Sept. 26. Lubbock, Texas. Poster.
44. Barton, H., J. French, C. Gonzalez, S. S. Gray, F. Hernandez, and L. J. Heffelfinger. 2024. Carrying Capacity, Competition, and Disease Risk to Desert Bighorn at Elephant Mountain Wildlife Management Area. 7th Annual Sul Ross State University Research Symposium, Alpine, TX
43. Barton, H., J. French, C. Gonzalez, S. S. Gray, F. Hernandez, and L. J. Heffelfinger. 2024. Carrying Capacity, Competition, and Disease Risk to Desert Bighorn at Elephant Mountain Wildlife Management Area. 10th Annual Christmas Mountains Research Symposium, Terlingua, TX
42. Barton, H., J. French, C. Gonzalez, S. S. Gray, F. Hernandez, C. McEntire, and L. J. Heffelfinger. 2024. Carrying Capacity of Desert Bighorn at Elephant Mountain Wildlife Management Area. 35th Annual Texas Bighorn Society Round-up: Research Update, Odessa, TX

41. Barton, H., J. French, C. Gonzalez, S. S. Gray, F. Hernandez, and L. J. Heffelfinger. 2024. Carrying Capacity of Desert Bighorn at Elephant Mountain Wildlife Management Area. Mule Deer and Pronghorn Committee Meeting, Texas Parks and Wildlife Department. Alpine, TX.
40. Barton, H., J. French, C. Gonzalez, S. S. Gray, F. Hernandez, and L. J. Heffelfinger. 2024. Carrying Capacity, Competition, and Disease Risk to Desert Bighorn at Elephant Mountain Wildlife Management Area. Concordia University Undergraduate Presentation, Texas Parks and Wildlife Department, Elephant Mountain Wildlife Management Area.
39. Hahn, D.P., R.C. Lonsinger, M.C. Chitwood, M.T. Turnley, M.M. Dart, **L.J. Heffelfinger**, E.P. Tanner, M.J. Cherry, R.W. DeYoung, H.G. Wang, and W.S. Fairbanks. 2024. Cropland influences on pronghorn behavior in the Oklahoma Panhandle. Oklahoma Chapter of The Wildlife Society Annual Meeting. Edmond, Oklahoma.
38. Ellis, C.C., **L.J. Heffelfinger**, D.G. Hewitt, R.W. DeYoung, T. E. Fulbright, L.A. Harveson, W.C. Conway, S.S. Gray, M.J. Cherry. 2024. Drivers and Consequences of Mule Deer Site Fidelity in a Highly Dynamic Landscape. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
37. Dart, M.M., E.P. Tanner, T.E. Fulbright, A.P. Opatz, **L.J. Heffelfinger**, D.G. Hewitt, R.W. DeYoung, S.S. Gray, and M.J. Cherry. 2024. Behavioral state-specific resource selection of pronghorn in the Texas Panhandle. 60th Annual Meeting of Texas Chapter of The Wildlife Society. Houston, TX.
36. Sutherland, E., J. French, C. Gonzalez, M.J. Cherry; **L.J. Heffelfinger**, S.S. Gray; F. Hernandez. 2024. Behavioral State Specific Habitat Selection of Elk in the Trans-Pecos. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
35. Barton, H., J. French, C. Gonzalez, S. S. Gray, F. Hernandez, and L. J. Heffelfinger. 2023. Carrying Capacity, Competition, and Disease Risk to Desert Bighorn at Elephant Mountain Wildlife Management Area. Title V Promoting Post-Baccalaureate Opportunities for Hispanic Americans Fall Research Symposium, Alpine, TX
34. Ohnishi, M., T. Okumura, J. Dykes, **L. J. Heffelfinger**. 2023. Assessing the Effects of Landscape Structure to Sika Deer to Improve the Harvesting Strategies in Japan Using a Step Selection Function. The Wildlife Society's 30th Annual Conference Meeting. Louisville, KY.
33. Hahn, D. P., R. C. Lonsinger, M. C. Chitwood, M. T. Turnley, M. M. Dart, **L. J. Heffelfinger**, E. P. Tanner, M. J. Cherry, R. W. DeYoung, H. G. Wang, and W. S. Fairbanks. 2023. Factors influencing pronghorn fawn survival in the Oklahoma Panhandle. The Wildlife Society's 30th Annual Conference Meeting. Louisville, KY.
32. Dart, M. M., E. P. Tanner, T. E. Fulbright, A. P. Opatz, **L. J. Heffelfinger**, D. G. Hewitt, R. W. DeYoung, S. S. Gray, and M. J. Cherry. 2023. Uncovering behavioral state-dependent resource selection in pronghorn: implications for targeted management strategies. The Wildlife Society's 30th Annual Conference Meeting. Louisville, KY.
31. Dart, M. M., E. P. Tanner, T. E. Fulbright, A. P. Opatz, **L. J. Heffelfinger**, D. G. Hewitt, R. W. DeYoung, S. S. Gray, and M. J. Cherry. 2023. The importance of behavioral state-specific inclusion in resource selection analyses: a case study with pronghorn. 13th International Mammalogical Congress & 102nd Annual Meeting of the American Society of Mammalogists. Anchorage, AK.
30. **Heffelfinger, L. J.**, R. L. Reitz, D. Pfeffer, D. B. Wester, R. W. DeYoung, and D. G. Hewitt. 2023. Nutrient Limitation Cues Ontogeny Shift to Maintain Future Reproduction: Implications for Variable Intra-species Morphology. 13th International Mammalogical Congress & 102nd Annual Meeting of the American Society of Mammalogists. Anchorage, AK.
29. **Heffelfinger, L. J.**, R. L. Reitz, D. Pfeffer, D. B. Wester, R. W. DeYoung, and D. G. Hewitt. 2023. Chronic Energy Limitation Cues Ontogeny Shift to Maintain Reproduction in White-tailed Deer. 46th Annual Meeting of the Southeast Deer Study Group. Baton Rouge, LA.

28. Ellis, C.C., **L. J. Heffelfinger**, D.G. Hewitt, R.W. DeYoung, T.E. Fulbright, L.A. Harveson, W.C. Conway, S.S. Gray, and M.J. Cherry. 2023. Evaluating Cervid Movement Ecology in a CWD Impacted Region: A Case Study with Mule Deer. Southeastern Association of Fish and Wildlife Agencies 77th Annual Conference. Corpus Christi, TX.
27. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2023. Using Mule Deer Movement Data to Determine Fawning, Peak Rut, and Mate Search Strategy. Western Association of Fish and Wildlife Agencies Deer and Elk Workshop. Flagstaff, AZ.
26. Ellis, C.C., M.J. Cherry, S.S. Gray, D.G. Hewitt, and **L. J. Heffelfinger**. 2023. Natal Range Dispersal and Exploratory Movements of Juvenile Mule Deer: Informing Chronic Wasting Disease Management. Western Association of Fish and Wildlife Agencies Deer and Elk Workshop. Flagstaff, AZ.
25. Dart, M. M., E. P. Tanner, T. E. Fulbright, A. P. Opatz, **L. J. Heffelfinger**, D. G. Hewitt, R. W. DeYoung, S. S. Gray, and M. J. Cherry. 2023. Examining Seasonal Movement Behavior of Pronghorn in the Texas Panhandle. 59th Annual Texas Chapter of The Wildlife Society Meeting. Houston, Texas.
24. Hahn, D. P., R. C. Lonsinger, M. C. Chitwood, M. T. Turnley, M. M. Dart, **L. J. Heffelfinger**, E. P. Tanner, M. J. Cherry, R. W. DeYoung, H. G. Wang, and W. S. Fairbanks. 2023. Population Demography of Pronghorn (*Antilocapra americana*) in Western Oklahoma. Oklahoma Chapter of The Wildlife Society, Edmond, Oklahoma.
23. Ellis, C.C., M.J. Cherry, S.S. Gray, D.G. Hewitt, and **L. J. Heffelfinger**. 2022. Using Mule Deer Movement to Inform Management in a Chronic Wasting Disease Cluster. 58th Annual Meeting of the Texas Chapter of The Wildlife Society. Marble Falls, TX.
22. Ellis, C.C., M.J. Cherry, S.S. Gray, D.G. Hewitt, and **L. J. Heffelfinger**. 2022. Dispersal and Exploratory Movements Infer Early Life-History Processes in Mule Deer. 101st Annual Meeting of the American Society of Mammalogists. Tucson, AZ.
21. Ellis, C. C., M. J. Cherry, S. S. Gray, D. G. Hewitt, and **L. J. Heffelfinger**. 2022. Natal Range Dispersal of Juvenile Mule Deer: Implications for Chronic Wasting Disease. The Wildlife Society's 29th Annual Conference. Spokane, WA.
20. Ohnishi, M., J. Dykes, **L. J. Heffelfinger**. 2022. Development of Deer Harvesting Strategies in High-Altitude Farming Regions: Applications of Step Selection Functions. 10th International Deer Biology Congress. Osijek, Croatia.
19. **Heffelfinger, L. J.**, D. G. Hewitt, R. W. DeYoung, T. E. Fulbright, L. A. Harveson, W. C. Conway, and S. S. Gray. 2022. Understanding Cervid Spatial Ecology and Population Metrics in an Agriculture Dominated Landscape. 10th International Deer Biology Congress. Osijek, Croatia.
19. Ellis, C. C., M. J. Cherry, S. S. Gray, D. G. Hewitt, and **L. J. Heffelfinger**. 2022. Using Mule Deer Movement to Inform CWD Management. 45th Annual Meeting of the Southeast Deer Study Group. Virtual.
18. **Heffelfinger, L. J.**, R. L. Reitz, D. Pfeffer, D. B. Wester, R. W. DeYoung, and D. G. Hewitt. 2022. Chronic Limitation of Dietary Energy Influences Growth and Antler Size of White-tailed Deer. 58th Annual Meeting of the Texas Chapter of The Wildlife Society. Marble Falls, TX.
17. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2021. Mule Deer and Anthropogenic Change: Effects of Agricultural Encroachment on Population Performance. Western Association of Fish and Wildlife Agencies-Deer and Elk Workshop. Virtual.
16. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2021. Mule Deer and Anthropogenic Change: Effects of Agricultural Encroachment on Population Performance. 57th Annual Meeting of the Texas Chapter of The Wildlife Society. Virtual.

15. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2020. Mule Deer and Anthropogenic Change: Effects of Agricultural Encroachment on Population Performance. 56th Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, TX.
14. **Heffelfinger, L. J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2019. From Fallow to Fat: Resource Selection Effects on Mule Deer Morphology in a Fragmented Landscape. 26th Annual Meeting of The Wildlife Society. Reno, NV.
13. K. M. Stewart, C. Downs, M. Teglas, and **L. J. Heffelfinger**. 2019. Epizootic Bovine Abortion: Does This Tick-Borne Disease Cause Reduced Immune Function in Adults and Reduced Survival in Young Mule Deer? 26th Annual Meeting of The Wildlife Society. Reno, NV.
12. **Heffelfinger, L. J.**, L. S. Warner, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2019. Are Center Pivots Pivotal to Landscape Use? Mule Deer Movement Patterns and Habitat Use in an Agricultural Landscape. Western Association of Fish and Wildlife Agencies-Deer and Elk Workshop. Marfa, TX.
11. **Heffelfinger, L. J.**, L. S. Warner, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2019. From Fallow to Fat: Effects of Agriculture on Mule Deer Morphology in a Fragmented Landscape. Western Association of Fish and Wildlife Agencies-Deer and Elk Workshop. Marfa, TX.
10. **Heffelfinger, L. J.**, L. S. Warner, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2019. The Influence of Agriculture on Mule Deer in a Fragmented Landscape. 55th Annual Meeting of the Texas Chapter of The Wildlife Society. Conroe, TX.
9. Dykes, J. L., R. W. DeYoung, T. E. Fulbright, J. A. Ortega-S, **L. J. Heffelfinger**, and D. W. Weimers. 2019. Landscape Use by Male White-tailed Deer After Brush Management, 55th Annual Meeting of the Texas Chapter of The Wildlife Society. Conroe, TX.
8. **Heffelfinger, L. J.**, K. M. Stewart, A. P. Bush, C. J. McKee, N. W. Darby, and V. C. Bleich. 2018. A Synopsis of an 8 Year Evaluation of a Population of Mule Deer (*Odocoileus hemionus*) on the Mojave National Preserve, California USA. 9th International Deer Biology Congress. Estes Park, CO.
7. **Heffelfinger, L. J.**, L.S. Warner, D.G. Hewitt, S.S. Gray, W.C. Conway, T.E. Fulbright, R.W. DeYoung, and L.A. Harveson. 2018. Panhandle Mule Deer: A Survey of Body Condition, Size, Reproductive Output, and Antler Growth. 54th Annual Meeting of the Texas Chapter of the Wildlife Society Annual Meeting. Dallas, TX.
6. **Heffelfinger, L. J.**, K. M. Stewart, K. S. Shoemaker, V. C. Bleich and N. W. Darby. 2017. Tradeoffs Associated with Reproduction: Resource Selection of Female Mule Deer. 24th Annual Meeting of The Wildlife Society. Albuquerque, NM.
5. **Heffelfinger, L. J.**, K. M. Stewart, K. S. Shoemaker, V. C. Bleich and N. W. Darby. 2017. Tradeoffs Associated with Reproduction: Resource Selection of Female Mule Deer. Western Association of Fish and Wildlife Agencies-Deer & Elk Workshop. Sun Valley, ID.
4. **Heffelfinger, L. J.**, K. M. Stewart, V. C. Bleich, J. S. Sedinger, and N. W. Darby. 2017. Factors Influencing Juvenile Survival of Mule Deer in an Arid Environment. The Western Chapter of The Wildlife Society. Reno, NV.
3. **Heffelfinger, L. J.**, K. M. Stewart, V. C. Bleich, J. S. Sedinger, and N. W. Darby. 2016. Factors Influencing Juvenile Survival of Mule Deer in an Arid Environment. 23rd Annual Meeting of The Wildlife Society. Raleigh, NC.
2. **Heffelfinger, L. J.**, K. M. Stewart, V. C. Bleich, and J. S. Sedinger. 2016. Factors Influencing Juvenile Survival of Mule Deer in an Arid Environment. Nevada Chapter Wildlife Society Annual Meeting. Reno, NV.

1. **Heffelfinger, L. J.**, M. R. Hurrell, D. E. Brown, J. R. Heffelfinger, and A. M. Neils. 2014. Cottontail rabbit (*Sylvilagus audubonii*) abundance trend in southeastern Arizona. The Wildlife Society Joint Annual Meeting, Arizona & New Mexico Chapter. Pinetop, AZ.

Professional Poster Presentations

26. Koeck, M. M., C. C. Ellis, R. C. Lonsinger, L. J. Heffelfinger, M. J. Cherry, A. K. Moeller, W. S. Fairbanks, and M. C. Chitwood. 2025. Evaluating the interactions between mule deer and white-tailed deer in western Oklahoma. 16th Biennial WAFWA Deer and Elk Workshop, Nanaimo, British Columbia, Canada.
25. Ellis, C. C., M. J. Cherry, M. M. Koeck, M. C. Chitwood, A. K. Moeller, R. C. Lonsinger, W. S. Fairbanks, and L. J. Heffelfinger. 2025. The western Oklahoma mule deer project: an overview. 16th Biennial WAFWA Deer and Elk Workshop, Nanaimo, British Columbia, Canada.
24. Ellis, C., M. Cherry, M. M. Koeck, M. C. Chitwood, A. K. Moeller, R. C. Lonsinger, W. S. Fairbanks, and L. Heffelfinger. 2024. The Oklahoma mule deer research project: evaluating population performance and abundance estimation methods. 31st Annual Conference of The Wildlife Society, Baltimore, Maryland.
23. Koeck, M. M., C. Ellis, M. Cherry, W. S. Fairbanks, L. Heffelfinger, R. C. Lonsinger, A. K. Moeller, and M. C. Chitwood. 2024. Evaluating the interactions between mule deer and white-tailed deer in western Oklahoma. 31st Annual Conference of The Wildlife Society, Baltimore, Maryland.
22. Laughlin, L., D. Hahn, M. Turnley, M. Dart, C. Rickels, L. Heffelfinger, E. Tanner, M. Cherry, R. W. DeYoung, G. Wang, W. S. Fairbanks, M. C. Chitwood, and R. C. Lonsinger. 2024. Prevalence of Oklahoma pronghorn in the diets of coyotes. 31st Annual Conference of The Wildlife Society, Baltimore, Maryland.
21. Rickels, C., M. Cherry, M. C. Chitwood, M. Dart, R. W. DeYoung, W. S. Fairbanks, D. Hahn, R. C. Lonsinger, E. Tanner, M. Turnley, G. Wang, and L. Heffelfinger. 2024. Living on the edge: adult pronghorn survival near the species' range extent in Oklahoma. 31st Annual Conference of The Wildlife Society, Baltimore, Maryland.
20. Turnley, M.T., W.S. Fairbanks, M.J. Cherry, M.M. Dart, R.W. DeYoung, D.P. Hahn, L.J. Heffelfinger, R.C. Lonsinger, C.M.J. Rickels, E.P. Tanner, H.G. Wang, and M.C. Chitwood. 2024. Harmless tags or hazardous ads? Investigating the potential for ear tags to increase predation on neonatal ungulates. Central Plains Society of Mammalogists Annual Meeting. Hays, Kansas.
19. Sellers, L.H., R.C. Lonsinger, M.C. Chitwood, D.P. Hahn, M.T. Turnley, M.M. Dart, C.M.J. Rickels, **L.J. Heffelfinger**, E.P. Tanner, M.J. Cherry, R.W. DeYoung, G. Wang, and W.S. Fairbanks. 2024. Evidence of serological differences between male and female pronghorn in a population of conservation concern. Freshman Research Scholars Symposium, Oklahoma State University, Stillwater, Oklahoma.
18. Sellers, L.H., R.C. Lonsinger, M.C. Chitwood, D.P. Hahn, M.T. Turnley, M.M. Dart, C.M.J. Rickels, **L.J. Heffelfinger**, E.P. Tanner, M.J. Cherry, R.W. DeYoung, G. Wang, and W.S. Fairbanks. 2024. Evidence of serological differences between male and female pronghorn in a population of conservation concern. Undergraduate Research Symposium, Oklahoma State University, Stillwater, Oklahoma.
17. Turnley, M.T., W.S. Fairbanks, M.J. Cherry, M.M. Dart, R.W. DeYoung, D.P. Hahn, **L.J. Heffelfinger**, R.C. Lonsinger, E.P. Tanner, H.G. Wang, and M.C. Chitwood. 2024. Fate from feces? Investigating pre-parturition diet indices as predictors of offspring survival in pronghorn. Oklahoma Chapter of the Wildlife Society Annual Meeting. Edmond, Oklahoma.
16. Kerbow, J.K., C. Newberry, C. Ramsey, K. Mote, J. Foster, **L.J. Heffelfinger**. 2024. White-Tailed Deer Spatial Ecology in an Agricultural Environment. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.

15. Nouzille, C. M., M. J. Cherry, R. W. DeYoung, J. W. Evans, G. M. Harris, **L. J. Heffelfinger**, C. D. Hilton, D. L. Karelus, K. G. McDaniel, and L. S. Petracca. 2024. Movement and foraging ecology of mountain lions (*Puma concolor*) in South Texas. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
14. Dart, M.M., E.P. Tanner, M.T. Turnley, D.P. Hahn, W.S. Fairbanks, M.C. Chitwood, R.C. Lonsinger, **L.J. Heffelfinger**, R.W. DeYoung, H.G. Wang, M.J. Cherry. 2024. Examining population dynamics and spatial ecology of a declining population of pronghorn in the southern Great Plains. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
13. McDaniel, K. G., M. J. Cherry, R. W. DeYoung, J. W. Evans, D. L. Karelus, G. M. Harris, **L. J. Heffelfinger**, C. D. Hilton, C. M. Nouzille, and L. S. Petracca. 2024. Movement ecology, dispersal, and genetic relatedness of mountain lions (*Puma concolor*) in South Texas and Mexico. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
12. Dotray, A., C. Gonzalez, **L.J. Heffelfinger**, F. Hernandez, S.S. Gray, J. French. 2024. Space Use of Sympatric Aoudad and Mule Deer in the Trans-Pecos. 60th Annual Meeting of the Texas Chapter of The Wildlife Society. Houston, TX.
11. Turnley, M. T., W. S. Fairbanks, M. J. Cherry, M. M. Dart, R. W. DeYoung, D. P. Hahn, **L. J. Heffelfinger**, R. C. Lonsinger, E. P. Tanner, H. G. Wang, and M. C. Chitwood. 2023. Fate from feces? Investigating pre-parturition diet indices as predictors of offspring survival in pronghorn. The Wildlife Society Annual Conference. Louisville, Kentucky.
10. Ellis, C. C., **L. J. Heffelfinger**, D. G. Hewitt, R. W. DeYoung, T. E. Fulbright, L. A. Harveson, W. C. Conway, S. S. Gray, and M. J. Cherry. 2023. Understanding Site Fidelity and Space Use in Mule Deer. 46th Annual Meeting of the Southeast Deer Study Group. Baton Rouge, LA.
9. Roniss, B. G., J. Maxwell, M. T. Turnley, D. P. Hahn, M. J. Cherry, M. C. Chitwood, M. M. Dart, R. W. DeYoung, W. S. Fairbanks, **L. J. Heffelfinger**, R. C. Lonsinger, E. P. Tanner, and H. G. Wang. 2022. Monitoring the Fawn Survivorship and Parasites of Pronghorns in Western Oklahoma. Oklahoma Academy of Sciences Technical Meeting. Tulsa, OK.
8. Hahn, D. P., R. C. Lonsinger, M. C. Chitwood, M. T. Turnley, M. M. Dart, **L. J. Heffelfinger**, E. P. Tanner, M. J. Cherry, R. W. DeYoung, H. G. Wang, and W. S. Fairbanks. 2022. Population Demography and Survival of Pronghorn (*Antilocapra americana*) in Western Oklahoma. Central Plains Society of Mammalogists Annual Meeting. Cedar creek, Missouri.
7. Howard, L., **L. J. Heffelfinger**, R. W. DeYoung, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, and L. A. Harveson. 2021. Influence of Agriculture on the Spatial Genetic Structure of Mule Deer in the Texas Panhandle. 57th Annual Meeting of the Texas Chapter of The Wildlife Society. Virtual.
6. **Heffelfinger, L. J.**, D. G. Hewitt, A. M. Foley, S. G. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, L. A. Harveson, D. Olson, and J. Shannon. 2020. Modeling Spatial Mate Search Strategies and Interactive Networks during Reproduction in Mule Deer. 27th Annual Meeting of The Wildlife Society. Virtual.
5. Keating, M. P., P. J. Williams, K. M. Stewart, **L. J. Heffelfinger**, and C. J. McKee. 2020. Discrete-Time Models of Animal Movement: Mule Deer as a Case Study. 27th Annual Meeting of The Wildlife Society. Virtual.
4. Vasquez, J. P., **Heffelfinger, L. J.**, D. G. Hewitt, A. M. Foley, S. G. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2020. Utilization of Specific Crop Type and Phenological Growth Stage by Mule Deer in a Fragmented Landscape. 27th Annual Meeting of The Wildlife Society. Virtual.
3. Howard, L., **L. J. Heffelfinger**, R. W. DeYoung, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, and L. A. Harveson. 2020. Influence of Agriculture on the Spatial Genetic Structure of Mule Deer

in the Texas Panhandle. 56th Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, TX.

2. **Heffelfinger, L.J.**, D. G. Hewitt, S. S. Gray, W. C. Conway, T. E. Fulbright, R. W. DeYoung, and L. A. Harveson. 2019. The Influence of Agriculture on Mule Deer in a Fragmented Landscape. 25th Annual Meeting of The Wildlife Society. Cleveland, OH.

1. **Heffelfinger, L.J.**, L.S. Warner, D.G. Hewitt, S.S. Gray, W.C. Conway, T.E. Fulbright, R.W. DeYoung, and L.A. Harveson. 2018. Panhandle Mule Deer: A Survey of Body Condition and Size, Reproductive Output, and Antler Growth. 9th International Deer Biology Congress. Estes Park, CO.

Professional Service

- Secretary—Southwest Section, The Wildlife Society
- Faculty Senator—Texas A&M University-Kingsville
- University Program Committee—The Boone & Crockett Club (2022-present)
- Board Member—Early Career Professionals Working Group, The Wildlife Society (2024-present)
- Board Member—Nutritional Ecology Working Group, The Wildlife Society (2023-present)
- Chair, Program Committee—Texas Chapter of The Wildlife Society (2023-2024)
- Student Poster Competition Judge—Texas Chapter of The Wildlife Society (2018-Present)
- Manuscript Referee – Journal of Mammalogy ($n=2$), Landscape Ecology ($n=2$), Ecosphere ($n=2$), Proceedings of the Desert Sheep Council ($n=1$), Human-Wildlife Interactions ($n=1$), Ecology and Evolution ($n=1$), Southwestern Naturalist ($n=1$)
- Internal Manuscript Referee—Caesar Kleberg Wildlife Research Institute ($n=8$)
- Research Proposal Referee – Nevada Department of Wildlife ($n=1$)

Professional Awards and Achievements

- 2024 Distinguished Seminar Speaker Award—Oklahoma State University
- 2021 Cottam Award, Texas Chapter TWS—Outstanding Graduate Research.
- 2021 College of Agriculture and Natural Resources— Outstanding Doctoral Student
- 2021 Boone & Crockett Outstanding Fellow Achievement Award
- 2005 Youth Conservationist of the Year. Arizona Game and Fish Department Commission

Professional Associations

- Associate Member-Oklahoma State University Graduate Faculty (2022-Present)
- Professional Member-The Boone & Crockett Club (2022-Present)
- American Society of Mammalogists (2022-Present)
- The Wildlife Society – National (2014- Present), Texas Chapter (2018 – Present), Southwest Section (2014-present), Western Section (2016 – 2018), Nevada Chapter (2016 – 2017), Arizona Chapter (2012 – 2015)
- Wildlife and Agriculture Graduate Association, Texas A&M University—Kingsville (2016-2021)
 - President (2019-2020)
- University of Arizona Student Chapter Wildlife Society (2012 – 2014)
 - President (2014)
- British Ecological Society (2019-2021)
- The Mule Deer Foundation (2016 – Present)
- Ducks Unlimited (2018 – Present)

- Boone & Crockett Club Associate Member (2019-2022)

Academic Scholarships

Total = \$50,450

- 2021 Rene Barrientos Scholarship. \$8,000
- 2020 Rene Barrientos Scholarship. \$3,050
- 2020 C. R. and Rebecca Palmer Graduate Student Scholarship in Wildlife Management. \$1,200
- 2020 South Texas Quail Coalition Scholarship in Wildlife Management. \$1,000
- 2019 Houston Safari Club Dan L. Duncan Scholarship. \$6,000
- 2019 Rene Barrientos Scholarship. \$3,000
- 2019 Larry Varner Memorial Scholarship in Ungulate Nutrition. \$2,000
- 2019 C. R. and Rebecca Palmer Graduate Student Scholarship in Wildlife Management. \$1,200
- 2018 Houston Safari Club Dan L. Duncan Scholarship. \$6,000
- 2018 Rene Barrientos Scholarship. \$3,000
- 2018 Larry Varner Memorial Scholarship in Ungulate Nutrition. \$2,000
- 2017 Rene Barrientos Scholarship. \$1,500
- 2010 JAKES Scholarship. National Wild Turkey Federation. \$1,000
- 2010 Grand Scholarship. National Rifle Association. \$1,500
- 2010 Regents High Honors Endorsement. Arizona School Board. \$10,000

Extra Training and Relevant Skills

- Programmatic development, donor relations, and fundraising
- Quantitative Ecology Workshop-Machine Learning and Bayesian Statistics. University of Georgia. Athens, GA (Virtual). December 2021
- Continuous Time Movement Modeling Workshop. The Wildlife Society. Louisville, KY (Virtual). October 2020
- Animal Movement Workshop: A to Z with Lots of R. British Ecological Society. Ardmore, OK, July 2019.
- Analysis of Resource Selection by Animals Workshop. Caesar Kleberg Wildlife Research Institute. December 2018.
- Proficient in R Programming Language, ArcGIS, Program MARK, Microsoft Programs Suite
- Statistical analyses and modeling, technical report writing, development of protocols, proposal writing, grantsmanship, and scientific manuscripts.
- Capture and handling of neonatal ungulates, morphometric data gathering, attaching expandable radio transmitters.
- Trapping, handling, and marking avian and terrestrial species.
- Handling and processing large herbivores captured via helicopter.
- Hiring and supervision of field technicians and graduate students in remote systems.
- IACUC protocol development.
- OSHA Construction Safety and Health Certified.
- CPR/AED and First Aid Certified.
- Firearms instructor and safety certified.