



# Ty J. Werdel

ASSISTANT PROFESSOR

Department of Rangeland, Wildlife and Fisheries Management - Texas A&M University, College Station, TX

✉ ty.werdel@ag.tamu.edu | 🐾 werdelwildlife.com | 📷 tywerdel | 🌐 tywerdel | ✖ tywerdel

*My research interests include the fields of Rangeland and Wildlife Management and Landscape Ecology. This work addresses questions that provide insight into the relationships between wildlife, native environments, and contemporary human-modified landscapes.*

## Education

### Ph.D. Horticulture and Natural Resources

KANSAS STATE UNIVERSITY

Manhattan, KS

2022

### M.S. Wildlife Sciences

SOUTH DAKOTA STATE UNIVERSITY

Brookings, SD

2017

### B.S. Rangeland and Wildlife Management

CHADRON STATE COLLEGE

Chadron, NE

2013

## Certifications

### Esri Academy ArcGIS (9 Certifications)

ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE

Online

2021

### Professional Certification in Data Analysis for Life Sciences (R)

HARVARDX, HARVARD UNIVERSITY

Online

2020

### GTA Certificate of Achievement in Professional Development

KANSAS STATE UNIVERSITY

Manhattan, KS

2020

### Faculty Exchange for Teaching Excellence

KANSAS STATE UNIVERSITY

Manhattan, KS

2020

### Associate Wildlife Biologist®

THE WILDLIFE SOCIETY

Online

2016

### Graduate Certification in Geospatial Technology

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY

Rapid City, SD

2016

### Project WILD/Project WILD Aquatic

ASSOCIATION OF FISH AND WILDLIFE AGENCIES

Chadron, NE

2013

## Employment

### Assistant Professor

DEPARTMENT OF RANGELAND, WILDLIFE, AND FISHERIES MANAGEMENT, TEXAS A&M UNIVERSITY

College Station, TX

2023 – Present

### Vice Chancellor's Postdoctoral Research Fellow

DEPARTMENT OF RANGELAND, WILDLIFE, AND FISHERIES MANAGEMENT, TEXAS A&M UNIVERSITY

College Station, TX

2022 – 2023

### Graduate Research and Teaching Assistant

DEPARTMENT OF HORTICULTURE AND NATURAL RESOURCES, KANSAS STATE UNIVERSITY

Manhattan, KS

2017 – 2022

### Graduate Research and Teaching Assistant

DEPARTMENT OF NATURAL RESOURCE MANAGEMENT, SOUTH DAKOTA STATE UNIVERSITY

Brookings, SD

2014 – 2017

### GIS Technician

NORTH PLATTE NATURAL RESOURCES DISTRICT

Scottsbluff, NE

2014 – 2014

### Undergraduate Researcher

SEVILLETA LTER RESEARCH EXPERIENCE

Socorro, NM

2013 – 2013

## Publications

---

### Peer-Reviewed

10. Palomo-Muñoz, G., M. Fidino, **T.J. Werdel**, C.W. Piper, T. Gallo, M.S. Peek, A.M. Ricketts, and A.A. Ahlers. **In-Press**. Mesopredators have differing influences on prey habitat use and diet activity in a multipredator landscape. **Ecosphere**.
9. **Werdel, T.J.**, D. Matarrita-Cascante, and J.E. Lucero. **2024**. State of traditional ecological knowledge in the wildlife management profession. **Journal of Wildlife Management** (Featured Article). <https://doi.org/10.1002/jwmg.22579>
8. **Werdel, T.J.**, C.W. Piper, A.M. Ricketts, M.S. Peek, and A.A. Ahlers. **2023**. Direct and indirect landscape-scale pathways structure carnivore communities in an agro-prairie ecosystem. **Journal of Mammalogy**. <https://doi.org/10.1093/jmammal/gyad065>
7. **Werdel, T.J.**, J.A. Jenks, J.T. Kanta, C.P. Lehman, and T.J. Frink. **2023**. Resource selection and herbaceous biomass at foraging sites of translocated bighorn sheep. **Rangeland Ecology and Management**. <https://doi.org/10.1016/j.rama.2022.12.004>
6. **Werdel, T.J.**, C.W. Piper, A.M. Ricketts, M.S. Peek, D.S. Sullins, and A.A. Ahlers. **2023**. Strategic grassland conservation for swift foxes in multi-use landscapes. **Biological Conservation**. <https://doi.org/10.1016/j.biocon.2022.109864>
5. Palomo-Muñoz, G., **T.J. Werdel**, C.W. Piper, M.S. Peek, A.M. Ricketts, and A.A. Ahlers. **2022**. Spatiotemporal distributions of mammals occurring in an agro-prairie ecosystem. **Ecology**. <https://doi.org/10.1002/ecy.3945>
4. **Werdel, T.J.**, C.W. Piper, A.M. Ricketts, M.S. Peek, and A.A. Ahlers. **2022**. Scale-specific landscape effects impose range-limiting constraints on the distribution of swift fox. **Landscape Ecology**, 37(8), 2065–2079. <https://doi.org/10.1007/s10980-022-01466-0>
3. **Werdel, T.J.**, J.A. Jenks, J.T. Kanta, C.P. Lehman, and T.J. Frink. **2021**. Space use and movement patterns of translocated bighorn sheep. **Mammalian Biology**, 101(3), 329–344. <https://doi.org/10.1007/s42991-021-00107-4>
2. **Werdel, T.J.**, J.A. Jenks, T.E. Besser, J.T. Kanta, C.P. Lehman, and T.J. Frink. **2019**. Restoration of a bighorn sheep population impeded by *Mycoplasma ovipneumoniae* exposure. **Restoration Ecology**, 28(2), 387–395 (Cover Article). <https://doi.org/10.1111/rec.13084>
1. **Werdel, T.J.**, J.A. Jenks, T.E. Besser, J.T. Kanta, C.P. Lehman, and T.J. Frink. **2018**. Survival of translocated bighorn sheep in the Deadwood region of the Black Hills, South Dakota. **Northwestern Naturalist**, 99(3), 222–231. <https://doi.org/10.1898/NWN18-06.1>

### Book Chapters

1. Hessami, M.A., **T.J. Werdel**, S.J. Hoagland, and M.T. Kohl. **2022**. Melding Past, Present, and Future: The importance of tribal management in wildlife conservation and management. Chapter 1 in C. Bishop, E. Gomez, J. Organ, and T. Ryder eds. **Introduction to Wildlife Management and Conservation in North America**. Great River Learning of Dubuque, IA.

### Book Reviews

1. **Werdel, T.J.** **2023**. Wildlife Management and Landscapes: Principles and Applications. **Journal of Wildlife Management**. <https://doi.org/10.1002/jwmg.22512>

### In-Revision/Review

4. Rooney, B., ..., **T.J. Werdel**, ..., and W.J. McShea (> 100 Co-Authors). **In-Review**. SNAPSHOT USA 2019–2023: The first five years of data from a coordinated camera trap survey of the United States. *Global Ecology and Biogeography*.
3. Whitman, D.\* and **T.J. Werdel**. **In-Review**. Campus fox squirrel presence influenced by fine-scale landscape characteristics. *Ecology and Evolution*.
2. Piper, C.W., **T.J. Werdel**, M.S. Peek, A.M. Ricketts, D.S. Sullins, and A.A. Ahlers. **In-Revison**. Landscape composition and proximity to water structure American badger distributions in shortgrass prairie. *Journal of Mammalogy*.
1. **Werdel, T.J.**, M. Fidino, C.W. Piper, A.M. Ricketts, M.S. Peek, and A.A Ahlers. **In-Revison**. Landscape composition mediates spatiotemporal interactions among sympatric canids in a prairie ecosystem. *Ecological Applications*.

### Research Coverage in Popular Media

12. **2024**. Chip Howard’s Sports Talk (Campus Squirrels; ”May 16, 2024 Hour 2”). *Sports Radio 1150 The Zone*. (<https://www.zone1150.com/chip-howard-sports-talk-podcast/>)
11. **2024**. Focus at Four: A&M students study squirrel behavior. *KBTX*. ([https://www.kbtx.com/2024/05/12/focus-four-am-students-study-squirrel-behavior/?fbclid=IwZXh0bgNhZW0CMTEAAR2XGXfnp\\_R-U-YDyr16AQMmBf1aUoPf-45C\\_18aMnwWeL-Ic3r2SAJ77Ys\\_aem\\_AV8Gks9w0tGnZqMjF7L5HG\\_F-1POM2arXOL1Dtu47ggTo4PV0GfAVvL87AHUi-KwDACbwi6gItJ7cx0MBeWycppa](https://www.kbtx.com/2024/05/12/focus-four-am-students-study-squirrel-behavior/?fbclid=IwZXh0bgNhZW0CMTEAAR2XGXfnp_R-U-YDyr16AQMmBf1aUoPf-45C_18aMnwWeL-Ic3r2SAJ77Ys_aem_AV8Gks9w0tGnZqMjF7L5HG_F-1POM2arXOL1Dtu47ggTo4PV0GfAVvL87AHUi-KwDACbwi6gItJ7cx0MBeWycppa))
10. **2024**. Q&A: TEK AND THE WILDLIFE PROFESSION. *The Wildlife Society*. ([https://wildlife.org/qa-tek-and-the-wildlife-profession/?utm\\_content=290664870&utm\\_medium=social&utm\\_source=twitter&hss\\_channel=tw-26287962](https://wildlife.org/qa-tek-and-the-wildlife-profession/?utm_content=290664870&utm_medium=social&utm_source=twitter&hss_channel=tw-26287962))
9. **2024**. Students Gather Data On Campus Squirrels As Part Of Urban Wildlife Research Effort. *Texas A&M TODAY*. (<https://today.tamu.edu/2024/04/24/students-gather-data-on-campus-squirrels-as-part-of-urban-wildlife-research-effort/>)
8. **2024**. Scholarly squirrels: Exploring the dynamics of Texas A&M’s campus wildlife. *AgriLife TODAY*. (<https://agrilifetoday.tamu.edu/2024/04/19/scholarly-squirrels-exploring-the-dynamics-of-texas-ams-campus-wildlife/>) (<https://youtu.be/Bperu7Zza3c?si=RNfih9hkZkrok2JL>)
7. **2023**. Texas winters can drive urban squirrels to nest in your home or car. Heres how to keep critters out. *Houston Chronicle*. (<https://www.houstonchronicle.com/news/houston-weather/article/squirrels-nesting-cars-homes-texas-winter-18565806.php>)
6. **2021**. Honoring the Land. *KSU Ag Report*. ([https://www.k-state.edu/agreport/documents/AgReport\\_Fall2021\\_web.pdf](https://www.k-state.edu/agreport/documents/AgReport_Fall2021_web.pdf))
5. **2016**. Hope and Hardship for Black Hills Bighorns. *South Dakota Hunting*. (<https://southdakotahunting.com/article/hope-and-hardship-for-black-hills-bighorns>)
4. **2015**. South Dakota Game, Fish & Parks Projects. *Ram Tracks*. (<https://www.midwestwildsheep.com/wp-content/uploads/ISSUE-36-2.pdf>)
3. **2015**. SD GETS BIGHORNS TO BOOST NUMBERS. *GOHUNT*. (<https://www.gohunt.com/read/south-dakota-uses-canadian-bighorn-sheep-to-boost-numbers#gs.7q5zxn>)
2. **2015**. Deadwood Bighorn Sheep Release. *KOTA Territory News*. (Video on nightly news)
1. **2015**. A bighorn sheep herd gets its start near Deadwood. *Rapid City Journal*. ([https://rapidcityjournal.com/news/local/a-bighorn-sheep-herd-gets-its-start-near-deadwood/article\\_7629e423-af84-5c5a-be97-ad9c59c9f0cc.html?utm\\_medium=social&utm\\_source=email&utm\\_campaign=user-share](https://rapidcityjournal.com/news/local/a-bighorn-sheep-herd-gets-its-start-near-deadwood/article_7629e423-af84-5c5a-be97-ad9c59c9f0cc.html?utm_medium=social&utm_source=email&utm_campaign=user-share))

## Teaching Experience

---

Texas A&M University

INSTRUCTOR

- Wildlife Tracks & Sign, RWFM 402 & RWFM 602
- Techniques of Wildlife Management, RWFM 408 & RWFM 608
- Special Topics in Traditional Ecological Knowledge, RWFM 689

College Station, TX

2022 – Present

Kansas State University

GRADUATE TEACHING ASSISTANT

- Firearms Cartridges and Ballistics, WOEM 201
- Rifle and Handgun Range Design, Construction and Operations, WOEM 202
- Introduction to Wildlife and Outdoor Enterprise Management, WOEM 250
- Flora and Fauna of the Great Plains, WOEM 350
- Big Game Management, WOEM 555
- Waterfowl and Wetlands Management, WOEM 561
- Advanced Wildlife Habitat Management, WOEM 562

Manhattan, KS

2017 – 2022

South Dakota State University

GRADUATE TEACHING ASSISTANT

- Introduction to Wildlife and Fisheries, WL 220

Brookings, SD

2014 – 2017

Student Mentorship

Graduate Student Research Advising

Amanda Laboy, M.S., TAMU RWFM

2023 – Present

Kayla Art, M.N.R.D., TAMU RWFM

2023 – Present

Lulu Hoffman, M.S., TAMU RWFM

2023 – Present

David Pearce, M.S., TAMU RWFM

2023 – Present

Conner Ties, M.S., TAMU RWFM

2022 – Present

Undergraduate Student Research Advising

Daniel Whitman, B.S., Macalester College REU

2023 – 2024

Drake Dancila, B.S., TAMU RWFM

2022 – 2023

Lulu Hoffman, B.S., TAMU RWFM

2022 – 2023

Secondary School Student Research Advising

Sebastian Kuo, H.S., Carnegie Vanguard High School

2023 – 2024

Graduate Student Committee Member

Kylie Perez, Ph.D., TAMU RWFM

2024 – Present

Jake Hanes, M.S., TAMU SCSC

2024 – Present

Daniel Ramirez, M.S., TAMU-Kingsville RWM

2023 – Present

Student Honors & Awards

Houston Safari Club Foundation Dan L. Duncan Scholarship, Conner Ties

2024

Houston Safari Club Foundation Dan L. Duncan Scholarship, David Pearce

2024

TAMU GPS Graduate Student Research and Presentation Travel Award, Lulu Hoffman

2024

RWFM Summer Graduate Student Travel Grant (x2), David Pearce

2024

RWFM Summer Graduate Student Travel Grant, Amanda Laboy

2024

RWFM Summer Graduate Student Travel Grant, Lulu Hoffman

2024

RWFM Master’s Student Excellence Award, Conner Ties

2024

American Society of Mammalogists Student Travel Award, David Pearce

2024

AgGIE Leadership Community Student Development Grant, Amanda Laboy

2024

RWFM Spring Graduate Student Travel Grant, David Pearce

2024

RWFM Spring Graduate Student Travel Grant, Conner Ties

2024

COALS Merit Fellowship, Amanda Laboy

2023

## Investigator Grants & Contracts

*Funded (Total: \$3,884,225, Lab Allocated: \$385,595)*

8. **TAMU AgriLife Research Rangeland Ecology and Management Research Funding.** 2024-2026. Developing proxies for rangeland assessments using drones. **\$106,700; Funded.** PI: Humberto Perotto, Co-PIs: Sorin Popescu, **Ty J. Werdel (Lab Allocated: \$17,783)**, Jacob Lucero, Jeff Goodwin, and Morgan Treadwell.
7. **TAMU AgriLife Research Rangeland Ecology and Management Research Funding.** 2024-2026. Working towards healthy rangelands: understanding the factors limiting the adoption of grazing, fire, and wildfire management practices among exurban landowners. **\$106,448; Funded.** PI: David Matarrita, Co-PIs: Rafael Landeverde, **Ty J. Werdel (Lab Allocated: \$26,612)**, and Morgan Treadwell.
6. **TAMU AgriLife Research Animal Health and Disease Research Capacity Funding.** 2024-2025. The impact of osmotic stress on the catfish pathogen *Aeromonas hydrophila*: Implications for managing motile *Aeromonas* septicemia (MAS) in U.S. catfish farming. **\$100,000; Funded.** PI: Haitham Mohammed, Co-PI: **Ty J. Werdel.**
5. **Private Donation.** 2023. Student-led population ecology of fox squirrels on the TAMU campus. **\$10,000; Funded.** PI: **Ty J. Werdel.**
4. **USFWS.** 2023-2027. Evaluation and mitigation for sensitive state threatened and endangered wildlife. **\$3,399,877; Funded.** Co-PIs: Marcus Blum, Paul Crump, Jacob Dykes, Whitney Gann, Andrew Gregory, Toby Hibbitts, Mathew Kramm, Roel Lopez, Kevin Moczygemba, Michael Morrison, Humberto Perotto, Wady Ryberg, Danielle Walkup, Stephen Webb, and **Ty J. Werdel (Lab Allocated: \$170,000).**
3. **Department of Rangeland, Wildlife and Fisheries Management.** 2023-2024. Long-term wildlife monitoring for unmanaged rangelands transitioning to planned grazing management. **\$100,000; Funded.** PIs: Stephen L. Webb and **Ty J. Werdel.**
2. **Private Donation.** 2023. Long-term wildlife monitoring for unmanaged rangelands transitioning to planned grazing management. **\$1,200; Funded.** PI: **Ty J. Werdel.**
1. **Department of Rangeland, Wildlife and Fisheries Management.** 2023-2025. River otter (*Lontra canadensis*) population dynamics in Texas. **\$60,000; Funded.** PI: **Ty J. Werdel.**

### Unfunded Proposals

3. **TAMU AgriLife Research Rangeland Ecology and Management Research Funding.** 2024-2026. Resource selection and spatial interactions of native, exotic, and domestic ungulates on Texas rangelands. **\$150,000; Not Funded.** PI: **Ty J. Werdel**, Co-PIs: Jacob E. Lucero, Humberto Perotto, and Jacob L. Dykes.
2. **National Science Foundation.** 2023-2025. Incorporating Native American partnerships and knowledge into Great Plains fire science. **\$199,404; Not Funded.** PI: David Matarrita, Co-PIs: Bradford Wilcox and **Ty J. Werdel.**
1. **USDA APHIS Wildlife Services.** 2023-2024. Spatial interactions and potential disease transmission of free-ranging native and exotic ungulates. **\$225,437; Not Funded.** PI: **Ty J. Werdel.**

## Honors & Awards

*Awards (\$121,150)*

**Community Building Through Mentorship Conference Panel Travel Grant**, The Wildlife Society  
**Agriculture Dean and Director's Award for Graduate Student Research**, Kansas State University  
**Advancing Agricultural Science Opportunities for Native Americans Scholarship**, AISES  
**Robert Nunemacher Scholarship**, Kansas State University  
**Advancing Agricultural Science Opportunities for Native Americans Research Award**, AISES

2022  
2022  
2021  
2021  
2020

<b>Advancing Agricultural Science Opportunities for Native Americans Scholarship</b> , AISES	2020
<b>Lighting the Pathway to Faculty Careers for Natives in STEM</b> , AISES	2020
<b>College of Agriculture Graduate Student Recognition of Achievement</b> , Kansas State University	2020
<b>AISES Together Towards Tomorrow T3 Scholarship</b> , AISES	2020
<b>Gamma Sigma Delta</b> , Kansas State University	2019
<b>AISES Travel Grant</b> , AISES	2019
<b>Advancing Agricultural Science Opportunities for Native Americans Scholarship</b> , AISES	2019
<b>Kansas State University Graduate Student Recognition of Achievement</b> , Kansas State University	2019
<b>College of Agriculture Graduate Student Recognition of Achievement</b> , Kansas State University	2019
<b>Inclusive Pedagogy Travel Grant</b> , The Wildlife Society	2018
<b>Life Membership Fund Scholarship</b> , Wild Sheep Foundation	2018
<b>Predoctoral Ford Fellowship</b> , (Honorable Mention) Ford Foundation Fellowships Program	2018
<b>Native Student Professional Development Grant</b> , The Wildlife Society	2017
<b>Launch Collegiate Business Pitch Competition</b> , Kansas State University	2017
<b>Native Student Professional Development Grant</b> , The Wildlife Society	2016
<b>Phi Kappa Phi Honor Society</b> , South Dakota State University	2016
<b>Excellence in Wildlife Management</b> , Chadron State College	2013
<b>Platinum Eagle Award</b> , (Finalist) Chadron State College	2013
<b>Gates Millennium Scholarship</b> , Bill and Melinda Gates Foundation	2005
<b>Scholastic Excellence in Engineering</b> , University of Wyoming	2005
<b>Scholars Stipend</b> , University of Wyoming	2005
<b>Computer Science, Engineering, and Mathematics Scholarship</b> , University of Wyoming	2005
<b>Honors Program</b> , University of Wyoming	2005

## Professional Service

### *Executive Service in Professional Organizations*

<b>Board Member</b> NATIVE PEOPLES' WILDLIFE MANAGEMENT WORKING GROUP	<i>The Wildlife Society</i> 2024 – Present
<b>Grant Committee</b> NATIVE STUDENT PROFESSIONAL DEVELOPMENT GRANT	<i>The Wildlife Society</i> 2023 – Present
<b>Director</b> NATIVE STUDENT PROFESSIONAL DEVELOPMENT GRANT	<i>The Wildlife Society</i> 2018 – 2023
<b>Secretary/Treasurer</b> CENTRAL MOUNTAINS AND PLAINS SECTION	<i>The Wildlife Society</i> 2018 – 2021

### *Working Group Membership*

<b>Rangeland Wildlife Working Group</b> , The Wildlife Society	2018 – Present
<b>Native Peoples' Wildlife Management Working Group</b> , The Wildlife Society	2015 – Present
<b>Student Development Working Group</b> , The Wildlife Society	2013 – 2022

### *Chapter Membership*

<b>Southwest Section</b> , The Wildlife Society	2023 – Present
<b>Texas Chapter</b> , The Wildlife Society	2023 – Present
<b>Central Mountains and Plains Section</b> , The Wildlife Society	2018 – 2022
<b>Kansas Chapter</b> , The Wildlife Society	2017 – 2022
<b>South Dakota Chapter</b> , The Wildlife Society	2014 – 2017
<b>Nebraska Chapter</b> , The Wildlife Society	2013 – 2014
<b>Chadron State Student Chapter</b> , The Wildlife Society	2012 – 2013

### *Professional Organization Membership*



<b>Society for Range Management</b>	2023 – Present
<b>Society for Advancement of Chicanos/Hispanics and Native Americans in Science</b>	2021 – Present
<b>Gamma Sigma Delta Honor Society</b>	2019 – Present
<b>American Indian Science and Engineering Society</b>	2019 – Present
<b>Swift Fox Conservation Team</b>	2018 – Present
<b>Phi Kappa Phi Honor Society</b>	2016 – Present
<b>Native American Fish and Wildlife Society</b>	2015 – Present
<b>Rocky Mountain Bighorn Society</b>	2015 – 2017
<b>Wild Sheep Foundation</b>	2014 – 2020
<b>American Society of Mammalogists</b>	2013 – Present
<b>The Wildlife Society</b>	2013 – Present

### *External Journal Reviewer (10)*

<b>Movement Ecology</b>	2024
<b>The Journal of Wildlife Management (2)</b>	2023, 2023
<b>Journal of Fish and Wildlife Management</b>	2023
<b>PeerJ (2)</b>	2022, 2023
<b>Frontiers in Ecology and the Environment</b>	2023
<b>Science</b>	2023
<b>Canadian Journal of Zoology</b>	2022
<b>Journal of Mammalogy</b>	2021

## University Service

### *Texas A&M University*

<b>Poster Presentation Judge</b> , COALS Research Symposium	2024
<b>Faculty Reviewer</b> , Avilés-Johnson Fellowship Program	2024
<b>Faculty Advisor</b> , TAMU Student Chapter of The Wildlife Society	2023 – Present

### *Department*

<b>OEM Curriculum Committee</b> , RWFM	2023 – Present
<b>Awards Committee</b> , RWFM	2023 – Present
<b>Undergraduate Committee</b> , RWFM	2023 – Present
<b>Caesar Kleberg Chair Search Committee</b> , RWFM	2023 – 2024

## Presentations

### *Contributed (\*WERDEL WILDLFE LAB MEMBER)*

37. Pearce, D.L.\* and **T.J. Werdel**. **2024**. Tails on the Great Plains: Interspecific interactions between two cervids in western Kansas. **103rd Annual Meeting of the American Society of Mammalogists, Boulder, CO.**
36. Laboy, A.\*, R. Lopez, and **T.J. Werdel**. **2024**. Evaluating small mammal biodiversity using camera traps. **103rd Annual Meeting of the American Society of Mammalogists, Boulder, CO.**
35. Hoffman, M.G.\*, W.E. Cook, H.L. Perotto, and **T.J. Werdel**. **2024**. Spatial interactions of axis and white-tailed deer in the Texas hill country. **103rd Annual Meeting of the American Society of Mammalogists, Boulder, CO.**
34. Laboy, A.\*, R. Lopez, and **T.J. Werdel**. **2024**. Evaluating small mammal biodiversity using camera traps. **Ecological Integration Symposium, College Station, TX.**
33. Laboy, A.\*, R. Lopez, and **T.J. Werdel**. **2024**. Evaluating small mammal biodiversity using camera traps. **Diversity in Science Symposium, College Station, TX.**

32. Laboy, A.\* , R. Lopez, and **T.J. Werdel**. **2024**. Evaluating small mammal biodiversity using camera traps. **TAMU Student Research Week, College Station, TX**.
31. **Werdel, T.J.**, D. Matarrita-Cascante, and J.E. Lucero. **2024**. State of traditional ecological knowledge in the wildlife management profession. **Texas Chapter of The Wildlife Society Annual Conference, Houston, TX**.
30. Ties, C.\* , S.L. Webb, and **T.J. Werdel**. **2024**. Mapping collared peccary habitat: species distribution modeling in the South Texas Plains and Trans-Pecos ecoregions. **Texas Chapter of The Wildlife Society Annual Conference, Houston, TX**.
29. Palomo-Muñoz, G., **T.J. Werdel**, C.W. Piper, M. Fidino, T. Gallo, M.S. Peek, A.M. Ricketts, and A.A. Ahlers. **2024**. Habitat use by black-tailed jackrabbits and eastern cottontail rabbits in a multipredator landscape. **Kansas Natural Resources Conference, Manhattan, KS**.
28. Ties, C.\* , S.L. Webb, and **T.J. Werdel**. **2023**. Using community science to determine collared peccary spatial distribution in Texas. **The Wildlife Society 30th Annual Conference, Louisville, KY**.
27. Ties, C.\* , S.L. Webb, and **T.J. Werdel**. **2023**. Mapping collared peccary habitat: species distribution modeling in the south Texas plains. **Texas Section Society For Range Management, Bastrop, TX**.
26. Whitman, D.\* and **T.J. Werdel**. **2023**. Campus fox squirrel presence influenced by fine-scale landscape characteristics. **Macalester College Summer Showcase, Saint Paul, MN**.
25. Dancila, A.D.\* , **T.J. Werdel**, S.M. Chinn, J.C. Beasley, and S.L. Webb. **2023**. Analysis of reproductive parameters of wild pigs in southcentral Oklahoma. **RWFM Convocation, College Station, TX**.
24. Hoffman, M.G.\* , M.D. Proctor, **T.J. Werdel**, and S.L. Webb. **2023**. Activity patterns and potential interactions among cattle, white-tailed deer, and wild pigs. **RWFM Convocation, College Station, TX**.
23. Whitman, D.\* and **T.J. Werdel**. **2023**. Fine-scale landscape features influence fox squirrel presence on urban campus. **LAUNCH Summer Undergraduate Research Symposium, College Station, TX**.
22. Whitman, D.\* and **T.J. Werdel**. **2023**. Campus fox squirrel presence influenced by fine-scale landscape characteristics. **College of Agriculture and Life Sciences Summer Undergraduate Research Symposium, College Station, TX**.
21. Hoffman, M.G.\* , **T.J. Werdel**, M.D. Proctor, and S.L. Webb. **2023**. Activity patterns and potential interactions among cattle, white-tailed deer, and wild pigs. **Ecological Integration Symposium, College Station, TX**.
20. Dancila, A.D.\* , **T.J. Werdel**, S.M. Chinn, J.C. Beasley, and S.L. Webb. **2023**. Analysis of reproductive parameters of wild pigs in southcentral Oklahoma. **TAMU Student Research Week, College Station, TX**.
19. Hoffman, M.G.\* , M.D. Proctor, **T.J. Werdel**, and S.L. Webb. **2023**. Activity patterns and potential interactions among cattle, white-tailed deer, and wild pigs. **TAMU Student Research Week, College Station, TX**.
18. **Werdel, T.J.**, C.W. Piper, A.M. Ricketts, M.S. Peek, D.S. Sullins, and A.A. Ahlers. **2023**. Strategic grassland conservation for swift foxes in multi-use landscapes. **Texas Chapter of The Wildlife Society Annual Conference, Houston, TX**.
17. **Werdel, T.J.**, C.W. Piper, M.S. Peek, A.M. Ricketts, and A.A. Ahlers. **2023**. Landscape-scale effects structure carnivore communities in an agro-prairie ecosystem. **Kansas Natural Resources Conference, Manhattan, KS**.
16. **Werdel, T.J.**, C.W. Piper, M.S. Peek, A.M. Ricketts, D.S. Sullins, and A.A. Ahlers. **2023**. Strategic grassland conservation for swift foxes in multi-use landscapes. **Kansas Natural Resources Conference, Manhattan, KS**.
15. Palomo-Muñoz, G., **T.J. Werdel**, C.W. Piper, M. Fidno, A.M. Ricketts, and A.A. Ahlers. **2022**. Local-scale habitat structure mediates interactions between coyotes and lagomorphs. **101st Annual Meeting of the American Society of Mammalogists, Tucson, AZ**.
14. **Werdel, T.J.**, C.W. Piper, A.M. Ricketts, M. Peek, and A.A. Ahlers. **2021**. Scale-specific landscape effects impose range-limiting constraints on the distribution of swift foxes. **The Wildlife Society 28th Annual Conference, Virtual**.
13. Piper, C.W, **T.J. Werdel**, A.M. Ricketts, D. Sullins, M. Peek, and A.A. Ahlers. **2021**. Landscape composition and proximity to water structure American badger distributions in shortgrass prairies. **The Wildlife Society 28th Annual Conference, Virtual**.
12. **Werdel, T.J.**, C.W. Piper, A.M. Ricketts, M. Peek, and A.A. Ahlers. **2021**. Multiscale landscape effects impose



range-limiting constraints on the distribution of swift fox. **Swift Fox Conservation Team Meeting, Virtual.**

11. **Werdel, T.J.,** C.W. Piper, A.M. Ricketts, M. Peek, and A.A. Ahlers. **2021.** Multiscale landscape effects impose range-limiting constraints on the distribution of swift fox. **Midwest Association of Fish and Wildlife Agencies Furbearer Workshop, Virtual.**
10. Piper, C.W, **T.J. Werdel,** A.M. Ricketts, M. Peek, and A.A. Ahlers. **2021.** Landscape composition and proximity to water structure American badger (*Taxidea taxus*) distributions in shortgrass prairies. **Midwest Association of Fish and Wildlife Agencies Furbearer Workshop, Virtual.**
9. **Werdel, T.J.,** A.M. Ricketts, M. Peek, and A.A. Ahlers. **2020.** Assessing factors that influence occupancy and colonization of swift fox in western Kansas. **Kansas Natural Resources Conference, Manhattan, KS.**
8. **Werdel, T.J.,** A.M. Ricketts, M. Peek, and A.A. Ahlers. **2019.** Assessing factors that shape carnivore diversity in shortgrass prairie ecosystems. **American Fisheries Society and The Wildlife Society 2019 Joint Annual Conference, Reno, NV.**
7. **Werdel, T.J.,** A.M. Ricketts, M. Peek, and A.A. Ahlers. **2019.** Carnivore richness and diversity is driven by landscape change in shortgrass prairie ecosystems. **99th Annual Meeting of the American Society of Mammalogists, Washington, D.C.**
6. **Werdel, T.J.,** A.M. Ricketts, M. Peek, and A.A. Ahlers. **2019.** Landscape effects on swift fox occupancy in western Kansas. **Southwest/Midwest Joint Furbearer Meeting, Enid, OK.**
5. **Werdel, T.J.,** A.M. Ricketts, and A.A. Ahlers. **2019.** Landscape change structures carnivore communities in shortgrass prairie ecosystems. **Kansas Natural Resources Conference, Manhattan, KS.**
4. **Werdel, T.J.,** A.M. Ricketts, M. Peek, and A.A. Ahlers. **2018.** Assessing the spatial distribution of swift fox in western Kansas. **The Wildlife Society 25th Annual Conference, Cleveland, OH.**
3. **Werdel, T.J.,** J.A. Jenks. **2018.** Survival of bighorn sheep in the Deadwood region of the Black Hills. **Nebraska/Central Mountains and Plains Section of The Wildlife Society Annual Meeting, Kearney, NE.**
2. **Werdel, T.J.,** J.A. Jenks, J. Kanta, and C. Lehman. **2016.** Evaluation of the Deadwood bighorn sheep herd translocation. **The Wildlife Society 23rd Annual Conference, Raleigh, NC.**
1. **Werdel, T.J..** **2013.** Small mammal population and diversity in relation to prairie dog reintroduction sites. **Sevilleta LTER Research Experience for Undergraduates Summer Symposium, Socorro, NM.**

## Invited

<b>TEK: A Place-Based Perspective</b> FNR CONSERVATION CELEBRATION, PURDUE UNIVERSITY	West Lafayette, IN 2024
<b>TEK of Wetlands</b> KANSAS STATE UNIVERSITY	Manhattan, KS 2023
<b>TEK: A Place-Based Perspective</b> THE SACNAS DIVERSITY IN RESEARCH SYMPOSIUM	College Station, TX 2023
<b>Community Building Through Mentorship Panel</b> THE WILDLIFE SOCIETY ANNUAL CONFERENCE	Spokane, WA 2022
<b>Applied Wildlife Management: A Landscape Ecology Approach</b> TEXAS A&M UNIVERSITY	College Station, TX 2021
<b>Traditional Ecological Knowledge: A Place-Based Perspective</b> TEXAS A&M UNIVERSITY	College Station, TX 2021
<b>Distribution of Swift Fox in Kansas</b> KANSAS DEPARTMENT OF WILDLIFE, PARKS AND TOURISM	Emporia, KS 2021
<b>Keynote Speaker: Youth Wildlife Conservation Experience</b> WILD SHEEP FOUNDATION SHEEP SHOW	Reno, NV 2019
<b>Inclusive Pedagogy Student Panel</b> THE WILDLIFE SOCIETY ANNUAL CONFERENCE	Cleveland, OH 2018

<b>Marlatt STEM Night</b> MARLATT ELEMENTARY SCHOOL	Manhattan, KS 2018
<b>Initiating a Student Chapter of The Wildlife Society</b> HASKELL INDIAN NATIONS UNIVERSITY	Lawrence, KS 2018
<b>Toyota STEM Speaker</b> RED CLOUD INDIAN SCHOOL	Pine Ridge, SD 2016
<b>Deadwood Bighorn Sheep Translocation</b> SOUTH DAKOTA GAME, FISH, AND PARKS	Rapid City, SD 2015
<b>Bighorn Sheep and Community Interaction</b> KIWANIS CLUB	Lead, SD 2015
<b>Graduate School Experience and Preparation</b> CHADRON STATE COLLEGE	Chadron, NE 2015
<b>Project WILD, Children and Wildlife</b> RED CLOUD INDIAN SCHOOL	Pine Ridge, SD 2013

### *Guest Lectures*

<b>Ag Communication in Wildlife Research</b> ALEC 350 - TEXAS A&M UNIVERSITY	College Station, TX 2024
<b>Professional Wildlife Certification</b> RWFM 481 - TEXAS A&M UNIVERSITY	College Station, TX 2024
<b>Occupancy Models to Study Wildlife</b> RWFM 689 - TEXAS A&M UNIVERSITY	College Station, TX 2024
<b>Ag Communication in Wildlife Research</b> ALEC 350 - TEXAS A&M UNIVERSITY	College Station, TX 2023
<b>Professional Wildlife Certification</b> RWFM 481 - TEXAS A&M UNIVERSITY	College Station, TX 2023
<b>Occupancy Models to Study Wildlife</b> RWFM 689 - TEXAS A&M UNIVERSITY	College Station, TX 2023
<b>Why I hunt</b> RWFM 489 - TEXAS A&M UNIVERSITY	College Station, TX 2023
<b>Wildlife Professional Experience</b> RWFM 305 - TEXAS A&M UNIVERSITY	College Station, TX 2022
<b>Bighorn Sheep Capture and Monitoring Techniques</b> WOEM 555 - KANSAS STATE UNIVERSITY	Manhattan, KS 2022
<b>Traditional Ecological Knowledge (TEK) of Wetlands</b> WOEM 561 - KANSAS STATE UNIVERSITY	Manhattan, KS 2021
<b>Bighorn Sheep Capture and Monitoring Techniques</b> WOEM 555 - KANSAS STATE UNIVERSITY	Manhattan, KS 2021
<b>Wild Sheep Natural History</b> WOEM 350 - KANSAS STATE UNIVERSITY	Manhattan, KS 2021
<b>Bighorn Sheep Capture and Monitoring Techniques</b> WOEM 555 - KANSAS STATE UNIVERSITY	Manhattan, KS 2020
<b>Traditional Ecological Knowledge (TEK) of Wetlands</b> WOEM 561 - KANSAS STATE UNIVERSITY	Manhattan, KS 2019
<b>Bighorn Sheep Monitoring</b> WOEM 555 - KANSAS STATE UNIVERSITY	Manhattan, KS 2018