

# EVAN P. TANNER, PHD

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[Google Scholar Page](#); [Research Gate](#); [Personal Website](#)

## Education

Oklahoma State University, Stillwater, OK

2015 ▪ Doctorate of Philosophy, Wildlife Ecology and Management

- Dissertation: “The climate of *Colinus* and *Callipepla*: current patterns with future implications”
- Advisor: R. Dwayne Elmore
- GPA: 4.0

The University of Tennessee, Knoxville, TN

2012 ▪ Master of Science in Wildlife & Fisheries Science, Minor in Statistics

- Thesis: “Population ecology of northern bobwhite (*Colinus virginianus*) on reclaimed mined land”
- Advisor: Patrick D. Keyser
- GPA: 3.59

The University of Tennessee, Knoxville, TN

2009 ▪ Bachelor of Science in Forestry, Resource Management

- GPA: 3.73

## Employment

**Assistant Professor and Meadows Endowed Chair of Semi-arid Land Ecology ▪ January 2020 – Present**

Caesar Kleberg Wildlife Research Institute, Department of Rangeland and Wildlife Sciences, Texas A&M University-Kingsville

**Post-doctoral Fellow ▪ November 2018 – December 2019**

Department of Natural Resource Ecology and Management, Oklahoma State University, 008C Ag Hall, Stillwater, OK 74078; (405) 744-9646

**Graduate Research Assistant ▪ May 2012 – December 2015**

Department of Natural Resource Ecology and Management, Oklahoma State University, 008C Ag Hall, Stillwater, OK 74078; (405)-744-9636

### **Graduate Research Assistant ▪ August 2009 – May 2012**

The Center for Native Grasslands Management, The University of Tennessee, 2431 Joe Johnson Drive, Knoxville, TN 37996; (865)-974-7346

### **Research Technician ▪ May 2008 – August 2008**

The Tennessee Tree Improvement Program, 282 Ellington Plant Sciences Building, 2431 Joe Johnson Drive, Knoxville, TN 37996; (865)-974-7993

## **Courses Taught**

RWSC 5399: Research Topics. Fall 2021. Texas A&M University-Kingsville.

RWSC 4171: Range and Wildlife Science Capstone Course. Fall 2021. Contributed lecture. Texas A&M University-Kingsville.

RWSC 3310: Wildlife Techniques. Fall 2021. Contributed lecture. Texas A&M University-Kingsville.

RWSC 2331: Range and Wildlife Ecology. Fall 2021. Texas A&M University-Kingsville.

RWSC 4171: Range and Wildlife Science Capstone Course. Spring 2021. Contributed lecture. Texas A&M University-Kingsville.

RWSC 2331: Range and Wildlife Ecology. Spring 2021. Texas A&M University-Kingsville.

RWSC 2331: Range and Wildlife Ecology. Fall 2020. Texas A&M University-Kingsville.

WSCI 6387: Wildlife Habitat Management. Fall 2020. Texas A&M University-Kingsville.

RWSC 3310: Wildlife Techniques. Fall 2020. Contributed lecture. Texas A&M University-Kingsville.

ZOOL 5643. Ecological Niche Modeling. Spring 2017. Guest Lecture. Oklahoma State University.

NREM 3013. Applied Ecology and Conservation. Spring 2017. Guest Lecture. Oklahoma State University.

NREM 1014: Introduction to Natural History. Fall 2016. Teaching Assistant. Oklahoma State University.

NREM 4533: Wildlife Management for Game Species. Fall 2016. Guest Lecture. Oklahoma State University.

WFS 445: Ecology and Management of Wild Birds; Spring 2012. Teaching Assistant. University of Tennessee.

## **Publications**

### **Refereed Journal Articles**

- Tanner, E. P.**, S. D. Fuhlendorf, J. A. Polo, and J. M. Peterson. 2021. Woody encroachment of grasslands: near-surface thermal implications assessed through the lens of an astronomical event. *Ecology and Evolution* 11: 12886-12901.
- Noden, B. H., **E. P. Tanner**, J. A. Polo, and S. D. Fuhlendorf. 2021. Invasive woody plants as foci of tick-borne pathogens: eastern redcedar in the southern Great Plains. *Journal of Vector Ecology* 46: 12-18.
- Kauffman, K. L., R. D. Elmore, C. A. Davis, S. D. Fuhlendorf, L. E. Goodman, C. A. Hagen, and **E. P. Tanner**. 2021. Role of the thermal environment in scaled quail (*Callipepla squamata*) nest site selection and survival. *Journal of Thermal Biology* 95: 102791.
- Polo, J. A., **E. P. Tanner**, R. Scholtz, S. D. Fuhlendorf, J. T. Ripberger, C. I. Silva, H. C. Jenkins-Smith, and N. Carlson. 2020. Mismatches in prescribed fire awareness and implementation in Oklahoma, USA. *Rangelands* 42: 196-202.
- Tanner, A. M., **E. P. Tanner**, M. Papeş, S. D. Fuhlendorf, R. D. Elmore, and C. A. Davis. 2020. Using aerial surveys and citizen science to create species distribution models for an imperiled grouse species. *Biodiversity and Conservation* 29: 967-986.
- Tanner, E. P.**, J. P. Orange, C. A. Davis, R. D. Elmore, and S. D. Fuhlendorf. Behavioral modifications lead to disparate demographic consequences in two sympatric species. *Ecology and Evolution* 9: 9273-9289.
- Rhoden, C. M., J. P. Orange, **E. P. Tanner**, D. L. Baxley, J. J. Morgan, and B. A. Robinson. Factors influencing hunter flush success of three small game species. *Wildlife Society Bulletin* 42: 414-419.
- Scholtz, R., J. A. Polo, **E. P. Tanner**, and S. D. Fuhlendorf. Grassland fragmentation and its influence on woody plant cover in the southern Great Plains, USA. *Landscape Ecology* 33: 1785-1797.
- Tanner, E. P.**, and S. D. Fuhlendorf. Impact of an agri-environmental scheme on landscape patterns. *Ecological Indicators* 85: 956-965.
- Lituma, C. M., D. A. Buehler, **E. P. Tanner**, A. M. Tanner, P. D. Keyser, and C. A. Harper. Factors affecting availability for detection: a case example using radio-collared northern bobwhite (*Colinus virginianus*). *PLoS ONE* 12: e0190376.
- Tanner, E. P.**, M. Papeş, R. D. Elmore, S. D. Fuhlendorf, and C. A. Davis. 2017. Incorporating abundance information and guiding variable selection for climate-based ensemble forecasting of species' distributional shifts. *PLoS ONE* 12: e0184316.
- Elmore, R. D., J. M. Carroll, **E. P. Tanner**, T. J. Hovick, B. A. Grisham, and S. D. Fuhlendorf. 2017. Implications of the thermal environment for terrestrial wildlife management. *Wildlife Society Bulletin* 41: 183-193.
- Davis, C.A., J. P. Orange, R. A. Van Den Bussche, R. D. Elmore, S. D. Fuhlendorf, J. M. Carroll, **E. P. Tanner**, and D. M. Leslie, Jr. 2017. Extrapair paternity and nest parasitism in two sympatric quail species. *The Auk* 134: 811-820.

- Cheng, Y., C. Sayde, Q. Li, J. Selker, J. Basara, **E. Tanner**, and P. Gentine. 2017. Failure of Taylor's hypothesis in the atmospheric surface layer and its correction for eddy-covariance measurements. *Geophysical Research Letters* 44: 4287-4295.
- Tanner, E. P.**, R. D. Elmore, C. A. Davis, and S. D. Fuhlendorf. 2017. Wintering bird responses to the presence of artificial surface water in a semi-arid rangeland. *Wildlife Biology*: wlb.00315.
- Tanner, E. P.**, R. D. Elmore, C. A. Davis, and S. D. Fuhlendorf. 2017. Evidence of nest tenacity in scaled quail (*Callipepla squamata*) following an anthropogenic disturbance. *The Wilson Journal of Ornithology* 129: 354-359.
- Tanner, E. P.**, R. D. Elmore, S. D. Fuhlendorf, C. A. Davis, D. K. Dahlgren, and J. P. Orange. 2017. Extreme climatic events constrain space use and survival of a ground-nesting bird. *Global Change Biology* 23: 1832-1846.
- Brooke, J. M., **E. P. Tanner**, D. C. Peters, A. M. Tanner, C. A. Harper, P. D. Keyser, J. D. Clark, and J. J. Morgan. 2017. Northern bobwhite breeding season ecology on a reclaimed surface mine. *Journal of Wildlife Management* 81: 73-85.
- Orange, J. P., C. A. Davis, R. D. Elmore, **E. P. Tanner**, S. D. Fuhlendorf, and E. T. Thacker. 2016. Evaluating the efficacy of brood flush counts: a case study in two quail species. *Western North American Naturalist* 76: 8.
- Tanner, E. P.**, R. D. Elmore, C. A. Davis, S. D. Fuhlendorf, D. K. Dahlgren, E. T. Thacker, and J. P. Orange. 2016. Does the presence of oil and gas infrastructure potentially increase risk of harvest in northern bobwhite? *Wildlife Biology* 22: 294-304.
- Rabon, J. C., and **E. P. Tanner**. 2016. First record of Scott's oriole (*Icterus parisorum*) for Oklahoma. *Bulletin of the Oklahoma Ornithological Society* 49: 9-13.
- Tanner, E. P.**, R. D. Elmore, S. D. Fuhlendorf, C. A. Davis, E. T. Thacker, and D. K. Dahlgren. 2015. Behavioral responses at distribution extremes: how artificial surface water can affect quail movement patterns. *Rangeland Ecology and Management* 68: 476-484.
- Brooke, J. M., D. C. Peters, A. M. Unger, **E. P. Tanner**, C. A. Harper, P. D. Keyser, J. D. Clark, and J. J. Morgan. 2015. Habitat manipulation influences northern bobwhite resource selection on a reclaimed surface mine. *Journal of Wildlife Management* 79:1264-1276.
- Peters, D. C., J. M. Brooke, **E. P. Tanner**, A. M. Unger, P. D. Keyser, C. A. Harper, J. D. Clark, and J. J. Morgan. 2015. Impact of experimental habitat manipulation on northern bobwhite survival. *Journal of Wildlife Management* 79:605-617.
- Unger, A. M., **E. P. Tanner**, C. A. Harper, P. D. Keyser, F. T. Van Manen, J. J. Morgan, and D. L. Baxley. 2015. Northern bobwhite seasonal habitat selection on a reclaimed surface coal mine in Kentucky. *Journal of the Southeastern Association of Fish and Wildlife Agencies* 2:235-246.

**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, J. D. Clark, and J. J. Morgan. 2012. Comparison of survival for radio-tagged versus unmarked northern bobwhite. *Proceedings of the National Quail Symposium* 7:212-216.

Unger, A. M., **E. P. Tanner**, C. Harper, P. Keyser, and J. Morgan. 2012. Northern bobwhite survival related to movement on a reclaimed surface coal mine. *Proceedings of the National Quail Symposium* 7:223-228.

### **Nonrefereed Articles**

**Tanner, E. P.**, and M. J. Cherry. 2021. Implications of the thermal environment for white-tailed deer management. *Texas Wildlife Fall Issue: in press*.

Andersson, K., E. Thacker, M. Carroll, **E. P. Tanner**, J. Orange, R. Carroll, C. Duquette, C. A. Davis, R. D. Elmore, and S. D. Fuhlendorf. 2021. Research Summary: Quail population and nesting characteristics in western Oklahoma. Oklahoma Agricultural Experiment Station, Division of Agricultural Sciences and Natural Resources, Oklahoma State University. P-1063.

**Tanner, E. P.**, K. J. Pennartz, M. K. Clayton, and A. D. Falk. 2021. When a native becomes invasive: whitebrush management strategies for South Texas. *Caesar Kleberg Tracks Spring 2021: 5-7*.

**Tanner, E. P.** 2020 Beating the heat: adaptive strategies of northern bobwhite and management options during periods of high temperatures. *Caesar Kleberg Tracks Spring 2020: 4-7*.

(<https://www.ckwri.tamuk.edu/publications/newsletter/caesar-kleberg-tracks-spring-2020>)

Andersson, K., E. Thacker, M. Carroll, **E. P. Tanner**, J. Orange, R. Carroll, C. Duquette, C. Davis, S. Fuhlendorf, and D. Elmore. 2018. Research Summary: Evaluation of northern bobwhite and scaled quail in western Oklahoma. Oklahoma Agricultural Experiment Station, Division of Agricultural Sciences and Natural Resources, Oklahoma State University. P-1054.

Williams, E., J. Arnold, J. Brooke, D. Peters, **E. P. Tanner**, A. Tanner, J. Morgan, B. Robinson, C. Harper, P. Keyser, J. Orange, G. Sprandel, C. Rhoden, and O. Williams. 2017. Expect Something Different: Peabody Quail.

<https://bringbackbobwhites.org/download/peabody-quail/>

**Tanner, E. P.** 2015. Influence of food and water supplementation on northern bobwhite. *Oklahoma State University Wildlife Chairs Newsletter Volume 2: 1 & 3*. ([wildlifechairs.okstate.edu/documents/newsletters/Volume2-web.pdf](http://wildlifechairs.okstate.edu/documents/newsletters/Volume2-web.pdf))

**Tanner, E. P.** 2014. Bobwhite and scaled quail ecology. *Oklahoma State University Wildlife Chairs Newsletter Volume 1: 5*. ([wildlifechairs.okstate.edu/documents/newsletters/VolumeI-web.pdf](http://wildlifechairs.okstate.edu/documents/newsletters/VolumeI-web.pdf)).

Elmore, R.D., **E. P. Tanner**, T.G. Bidwell, and S. Cox. 2013. Northern Bobwhite Habitat Requirements and Evaluation Guide (revision). Oklahoma Cooperative Extension Service. E-904.

### **Refereed Abstracts**

**E. P. Tanner**, J. P. Orange, C. A. Davis, R. D. Elmore, and S. D. Fuhlendorf. 2020. Behavioral modifications lead to disparate demographic consequences in two sympatric species. The Wildlife Society 27<sup>th</sup> National Conference. Virtual Conference.

**E. P. Tanner**, A. M. Tanner, S. D. Fuhlendorf, R. D. Elmore, C. A. Davis, and J. A. Polo. 2020. Human policy influences roosting ecology of an imperiled prairie grouse. The Wildlife Society 27<sup>th</sup> National Conference. Virtual Conference.

**E. P. Tanner**, J. A. Polo, S. Wolf, S. D. Fuhlendorf, and S. K. Brewer. 2019. Quantifying Spatio-Temporal Variability in Thermal Landscapes Through a Fiber-Optic Distributed Temperature Sensing System: Implications for Thermal Ecology Research. 52nd Joint Annual Meeting of the Arizona/New Mexico Chapters of The Wildlife Society and the Arizona/New Mexico Chapters of The American Fisheries Society, Albuquerque, New Mexico.

Wolf, S., **E. P. Tanner**, S. D. Fuhlendorf, R. Mollenhauer, and S. Brewer. 2019. Practical tool or shiny penny? Using fiber-optic distributed temperature sensing to improve evaluations of temperature selection by stream fishes. Southern Division Meeting of the American Fisheries Society, Galveston Island, Texas.

**Tanner, E. P.**, S. D. Fuhlendorf, J. A. Polo, and J. M. Peterson. 2018. An astronomical event reveals the role of landscapes as thermal moderators. 103<sup>rd</sup> Annual Ecological Society of America Meeting, New Orleans, Louisiana.

**Tanner, E. P.**, R. D. Elmore, S. D. Fuhlendorf, C. A. Davis, D. K. Dahlgren, and J. P. Orange. 2018. Extreme weather events create pinch points for a galliform. 103<sup>rd</sup> Annual Ecological Society of America Meeting, New Orleans, Louisiana.

Scholtz, R., S. R. Archer, S. D. Fuhlendorf, R. Buitenwerf, **E. P. Tanner**, and J. A. Polo. 2018. Woody plant dynamics in fragmented landscapes of the Great Plains, USA. 103<sup>rd</sup> Annual Ecological Society of America Meeting, New Orleans, Louisiana.

Wolf, S., R. Mollenhauer, **E. Tanner**, and S. Brewer. 2018. Seasonal habitat selection by fishes in Ozark Streams. 149<sup>th</sup> Annual American Fisheries Society Meeting, Atlantic City, New Jersey.

Wolf, S. **E. Tanner**, R. Mollenhauer, S. Fuhlendorf, and S. Brewer. 2018. Determining the temperature selection patterns of native stream fishes in an Ozark stream. Oklahoma Natural Resource Conference, Tulsa, Oklahoma.

Scholtz, R., J. A. Polo, **E. P. Tanner**, and S. D. Fuhlendorf. 2018. Woody plant dynamics in fragmented landscapes of the Great Plains, USA. 71<sup>st</sup> Annual Society for Range Management Meeting, Reno, Nevada.

**Tanner, E. P.**, S. D. Fuhlendorf, and J. A. Polo. 2017. Use of fiber-optic distributed temperature sensing to characterize changes in thermal patterns within a fragmented grassland. The Wildlife Society 24<sup>th</sup> National Conference, Albuquerque, New Mexico.

Tanner, A. M., **E. P. Tanner**, and S. D. Fuhlendorf. 2017. Mirror, mirror: examining the reflection of hunting and fishing through advertisements. The Wildlife Society 24<sup>th</sup> National Conference, Albuquerque, New Mexico.

**Tanner, E. P.,** R. D. Elmore, D. K. Dahlgren, C. A. Davis, and S. D. Fuhlendorf. 2017. Comparison of dog surveys and fall covey surveys in estimating fall population trends of northern bobwhite. Quail 8 Symposium, Knoxville, Tennessee.

Elmore, R. D., **E. P. Tanner,** C. A. Davis, D. K. Dahlgren, S. D. Fuhlendorf, and J. P. Orange. 2017. Extreme weather events create pinch points for northern bobwhite. *Perdix* Symposium – International Union of Game Biologists. Montpellier, France.

**Tanner, E. P.,** R. D. Elmore, C. A. Davis, and S. D. Fuhlendorf. 2017. Wintering bird response to the presence of artificial surface water. Oklahoma Natural Resource Conference, Tulsa, Oklahoma.

**Tanner, E. P.,** and S. D. Fuhlendorf. 2017. Impact of an agri-environmental scheme on landscape patterns. 70<sup>th</sup> Annual Society for Range Management Meeting, Saint George, Utah.

**Tanner, E. P.,** R. D. Elmore, S. D. Fuhlendorf, and C. A. Davis. 2016. Ecological pinch points affect usable space and survival of a ground-nesting bird. Oklahoma Natural Resource Conference, Oklahoma City, Oklahoma.

**Tanner, E. P.,** R. D. Elmore, S. D. Fuhlendorf, and C. A. Davis. 2016. Ecological pinch points affect usable space and survival of a ground-nesting bird. 69<sup>th</sup> Annual Society for Range Management Meeting, Corpus Christi, Texas.

**Tanner, E. P.,** M. Papeş, R. D. Elmore, S. D. Fuhlendorf, and C. A. Davis. 2015. When strongholds collapse: gains in future distributions may cost current population sources under future climate projections. The Wildlife Society 22<sup>nd</sup> National Conference, Winnipeg, Manitoba.

**Tanner, E. P.,** R. D. Elmore, C. A. Davis, and S. D. Fuhlendorf. 2015. Predicting shifts in northern bobwhite and scaled quail distribution from climate change. Joint Meeting of the Oklahoma Chapter of the American Fisheries Society and the Oklahoma Wildlife Society, Tulsa, Oklahoma.

Orange, J. P., C. A. Davis, S. D. Fuhlendorf, R. D. Elmore, and **E. P. Tanner.** 2015. Survival, movement, and habitat use of northern bobwhite and scaled quail chicks at the periphery of their distributional ranges. 2015. Joint Meeting of the Oklahoma Chapter of the American Fisheries Society and the Oklahoma Wildlife Society, Tulsa, Oklahoma.

**Tanner, E. P.,** R. D. Elmore, C. A. Davis, and S. D. Fuhlendorf. 2014. Impacts of artificial surface water sources on northern bobwhite and scaled quail populations. 68th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. Destin, Florida.

Orange, J. P., C. A. Davis, R. A. Van Den Bussche, S. D. Fuhlendorf, R. D. Elmore, M. J. Carroll, and **E. P. Tanner.** 2014. Parasitism, paternity, and brood mixing in two sympatric quail species. 68th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. Destin, Florida.

**Tanner, E. P.,** R. D. Elmore, C. A. Davis, and S. D. Fuhlendorf. 2014. Comparative ecology of northern bobwhite and scaled quail within distribution extremes. Joint Meeting of the Oklahoma Wildlife Society and Oklahoma Society for Range Management. Arcadia, Oklahoma.

Orange, J. P., R. A. Van Den Bussche, M. E. Trope, C. A. Davis, S. D. Fuhlendorf, R. D. Elmore, M. J. Carroll, and **E. P. Tanner**. 2014. Extra-pair paternity, intra-specific nest parasitism, and brood amalgamation in northern bobwhite. Joint Meeting of the Oklahoma Wildlife Society and Oklahoma Society for Range Management. Arcadia, Oklahoma.

**Tanner, E. P.**, R. D. Elmore, C. A. Davis, S. D. Fuhlendorf, and E. T. Thacker. 2013. Comparative ecology of northern bobwhite and scaled quail in a sand sagebrush community. 67<sup>th</sup> Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. Oklahoma City, Oklahoma.

**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, and J. J. Morgan. 2013. Evaluation of multi-scale factors affecting northern bobwhite nesting ecology on reclaimed mined lands in Kentucky. 67<sup>th</sup> Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. Oklahoma City, Oklahoma.

Unger, A. M., **E. P. Tanner**, C. A. Harper, P. D. Keyser, F. T. Van Manen, and J. J. Morgan. 2013. Northern bobwhite seasonal habitat selection on a reclaimed surface coal mine in Kentucky. 67<sup>th</sup> Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. Oklahoma City, Oklahoma.

**Tanner, E. P.**, R. D. Elmore, C. A. Davis, S. D. Fuhlendorf, and E. T. Thacker. 2013. Habitat use, survival, and movements of northern bobwhite and scaled quail in western Oklahoma. Oklahoma Department of Wildlife Conservation Annual Technical Meeting. Stillwater, Oklahoma.

**Tanner, E. P.**, R. D. Elmore, C. A. Davis, S. D. Fuhlendorf, and E. T. Thacker. 2012. Breeding season ecology of northern bobwhite and scaled quail in the sand sagebrush community. Oklahoma Wildlife Society Meeting, Tall Grass Prairie Preserve, Oklahoma.

**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, J. D. Clark, and J. J. Morgan. 2012. Comparison of survival for radio-tagged versus unmarked northern bobwhite. Quail VII Symposium. Tucson, Arizona.

Unger, A. M., **E. P. Tanner**, C. A. Harper, P. D. Keyser, and J. J. Morgan. 2012. Effects of disking and planting on northern bobwhite movement and survival. Quail VII Symposium. Tucson, Arizona.

Lituma, C. M., D. A. Buehler, **E. P. Tanner**, A. M. Unger, P. D. Keyser, and C. A. Harper. 2012. Monitoring northern bobwhite breeding populations in the Central Hardwoods Bird Conservation Region. Quail VII Symposium. Tucson, Arizona.

Unger, A. M., **E. P. Tanner**, C. A. Harper, and P. D. Keyser. 2011. Northern bobwhite population ecology on reclaimed mined land. National Bobwhite Technical Committee Meeting. Tallahassee, Florida.

**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, and J. J. Morgan. 2011. Influence of vegetation types on northern bobwhite survival on reclaimed mined lands. Tennessee Wildlife Society Meeting. Townsend, Tennessee.

Unger, A. M., **E. P. Tanner**, C. A. Harper, P. D. Keyser, and J. J. Morgan. 2011. Northern bobwhite habitat selection on a reclaimed surface coal mine in Kentucky. Tennessee Wildlife Society Meeting. Townsend, Tennessee.



**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, and J. J. Morgan. 2011. Influence of vegetation types on northern bobwhite survival on reclaimed mined lands. Kentucky Wildlife Society Meeting. Cumberland Falls State Resort Park, Kentucky.

Unger, A. M., **E. P. Tanner**, C. A. Harper, P. D. Keyser, and J. J. Morgan. 2011. Northern bobwhite habitat selection on a reclaimed surface coal mine in Kentucky. Kentucky Wildlife Society Meeting. Cumberland Falls State Resort Park, Kentucky.

**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, and J. J. Morgan. 2010. Influence of native warm-season grasses on northern bobwhite survival on reclaimed mined land. 7<sup>th</sup> Eastern Native Grass Symposium. Knoxville, Tennessee.

Unger, A. M., **E. P. Tanner**, C. A. Harper, P. D. Keyser, and J. J. Morgan. 2010. Habitat selection of northern bobwhites on a reclaimed surface coal mine in Kentucky. 7<sup>th</sup> Eastern Native Grass Symposium. Knoxville, Tennessee.

**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, J. J. Morgan, and E. M. Williams. 2010. Northern bobwhite population ecology on reclaimed mined land. National Bobwhite Technical Committee Meeting. Tallahassee, Florida.

#### **Nonrefereed Abstracts**

**Tanner, E. P.**, M. E. O'Brien, D. G. Hewitt, F. S. Smith, J. R. Bow, and D. B. Wester. 2020. Restoring native rangelands in the Edwards Plateau. CKWRI Current Research 2019-2020.

**Tanner, E. P.**, E. A. Valdez, and M. K. Clayton. Ecology and management of whitebrush in Texas. CKWRI Current Research 2019-2020.

Sergeyev, M., M. E. Tewes, **E. P. Tanner**, J. D. Holbrook, and T. A. Campbell. 2020. Influence of extreme temperature on ocelot habitat use. CKWRI Current Research 2019-2020.

Dykes, J. L., A. K. Killam, R. W. DeYoung, **E. P. Tanner**, M. J. Cherry, and C. D. Hilton. 2020. How does shade and wind affect space use by deer? CKWRI Current Research 2019-2020.

#### **Refereed Proceedings**

**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, J. D. Clark, and J. J. Morgan. 2012. Comparison of survival for radio-tagged versus unmarked northern bobwhite. Proceedings of the National Quail Symposium 7:212-216.

Unger, A. M., **E. P. Tanner**, C. Harper, P. Keyser, and J. Morgan. 2012. Northern bobwhite survival related to movement on a reclaimed surface coal mine. Proceedings of the National Quail Symposium 7:223-228.

#### **Nonrefereed Proceedings**

None

#### **Books, Chapters, Monographs, etc.**

None

## **Presentations**

### **Refereed**

#### *International*

Polo, J. A., **E. P. Tanner**, R. Scholtz, S. D. Fuhlendorf, J. Ripberger, C. Silva, H. Jenkins-Smith, and N. Carlson. 2021. Mismatches in prescribed fire awareness and implementation in Oklahoma, USA. 74<sup>th</sup> Annual Society for Range Management Meeting. Virtual Conference.

Page, M. T., R. C. Combs, B. K. Johnston, M. Ramirez, A. M. Camacho, A. DiMaggio, J. A. Ortega-S, D. Daniels, T. Kimmet, **E. P. Tanner**, J. Angerer, H. L. Perotto-Balivieso. 2021. An operational approach to forage mass estimation using drones. 74<sup>th</sup> Annual Society for Range Management Meeting. Virtual Conference.

Camacho, A. M., M. T. Page, M. A. Ramirez, J. A. Ortega-S., **E. P. Tanner**, F. S. Smith, A. D. Falk, D. Daniels, T. Kimmet, S. D. Nelson, and H. L. Perotto-Baldivieso. 2021. Developing spectral signatures for South Texas grasses using UAV mounted multispectral sensors. 74<sup>th</sup> Annual Society for Range Management Meeting. Virtual Conference.

Ramirez, M. A., M. T. Page, R. C. Combs, A. M. Camacho, B. K. Johnston, **E. P. Tanner**, A. DiMaggio, J. A. Ortega-S, D. Daniels, T. Kimmet, J. Angerer, and H. L. Perotto-Baldivieso. 2021. Pasture biomass estimation using UAV lowest point analysis. 74<sup>th</sup> Annual Society for Range Management Meeting. Virtual Conference.

Gless, W., A. Camacho, M. Page, M. Ramirez, J. A. Orettega-S, **E. P. Tanner**, F. S. Smith, A. D. Falk, D. Daniels, T. Kimmet, S. D. Nelson, and H. L. Perotto-Baldivieso. 2021. Identifying spectral signatures for bunch grasses using UAV mounted multispectral sensors. 74<sup>th</sup> Annual Society for Range Management Meeting. Virtual Conference.

**E. P. Tanner**, A. M. Tanner, S. D. Fuhlendorf, R. D. Elmore, C. A. Davis, and J. A. Polo. 2021. Human policy influences roosting ecology of an imperiled prairie grouse. 74<sup>th</sup> Annual Society for Range Management Meeting. Virtual Conference.

**E. P. Tanner**, J. P. Orange, C. A. Davis, R. D. Elmore, and S. D. Fuhlendorf. 2020. Behavioral modifications lead to disparate demographic consequences in two sympatric species. The Wildlife Society 27<sup>th</sup> National Conference. Virtual Conference.

**E. P. Tanner**, A. M. Tanner, S. D. Fuhlendorf, R. D. Elmore, C. A. Davis, and J. A. Polo. 2020. Human policy influences roosting ecology of an imperiled prairie grouse. The Wildlife Society 27<sup>th</sup> National Conference. Virtual Conference.

**Tanner, E. P.**, S. D. Fuhlendorf, J. A. Polo, and J. M. Peterson. 2018. An astronomical event reveals the role of landscapes as thermal moderators. 103<sup>rd</sup> Annual Ecological Society of America Meeting, New Orleans, Louisiana.

**Tanner, E. P.**, R. D. Elmore, S. D. Fuhlendorf, C. A. Davis, D. K. Dahlgren, and J. P. Orange. 2018. Extreme weather events create pinch points for a galliform. 103<sup>rd</sup> Annual Ecological Society of America Meeting, New Orleans, Louisiana.

Scholtz, R., S. R. Archer, S. D. Fuhlendorf, R. Buitenwerf, **E. P. Tanner**, and J. A. Polo. 2018. Woody plant dynamics in fragmented landscapes of the Great Plains, USA. 103<sup>rd</sup> Annual Ecological Society of America Meeting, New Orleans, Louisiana.

Scholtz, R., J. A. Polo, **E. P. Tanner**, and S. D. Fuhlendorf. 2018. Woody plant dynamics in fragmented landscapes of the Great Plains, USA. 71<sup>st</sup> Annual Society for Range Management Meeting, Reno, Nevada.

**Tanner, E. P.**, S. D. Fuhlendorf, and J. A. Polo. 2017. Use of fiber-optic distributed temperature sensing to characterize changes in thermal patterns within a fragmented grassland. The Wildlife Society 24<sup>th</sup> National Conference, Albuquerque, New Mexico.

Tanner, A. M., **E. P. Tanner**, and S. D. Fuhlendorf. 2017. Mirror, mirror: examining the reflection of hunting and fishing through advertisements. The Wildlife Society 24<sup>th</sup> National Conference, Albuquerque, New Mexico.

Elmore, R. D., **E. P. Tanner**, C. A. Davis, D. K. Dahlgren, S. D. Fuhlendorf, and J. P. Orange. 2017. Extreme weather events create pinch points for northern bobwhite. *Perdix* Symposium – International Union of Game Biologists. Montpellier, France.

**Tanner, E. P.**, and S. D. Fuhlendorf. 2017. Impact of an agri-environmental scheme on landscape patterns. 70<sup>th</sup> Annual Society for Range Management Meeting, Saint George, Utah.

**Tanner, E. P.**, R. D. Elmore, S. D. Fuhlendorf, and C. A. Davis. 2016. Ecological pinch points affect usable space and survival of a ground-nesting bird. 69<sup>th</sup> Annual Society for Range Management Meeting, Corpus Christi, Texas.

**Tanner, E. P.**, M. Papeş, R. D. Elmore, S. D. Fuhlendorf, and C. A. Davis. 2015. When strongholds collapse: gains in future distributions may cost current population sources under future climate projections. The Wildlife Society 22<sup>nd</sup> National Conference, Winnipeg, Manitoba.

#### *National*

Wolf, S., R. Mollenhauer, **E. Tanner**, and S. Brewer. 2018. Seasonal habitat selection by fishes in Ozark Streams. 149<sup>th</sup> Annual American Fisheries Society Meeting, Atlantic City, New Jersey.

**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, J. D. Clark, and J. J. Morgan. 2012. Comparison of survival for radio-tagged versus unmarked northern bobwhite. Quail VII Symposium. Tucson, Arizona.

Unger, A. M., **E. P. Tanner**, C. A. Harper, P. D. Keyser, and J. J. Morgan. 2012. Effects of disking and planting on northern bobwhite movement and survival. Quail VII Symposium. Tucson, Arizona.

Lituma, C. M., D. A. Buehler, **E. P. Tanner**, A. M. Unger, P. D. Keyser, and C. A. Harper. 2012. Monitoring northern bobwhite breeding populations in the Central Hardwoods Bird Conservation Region. Quail VII Symposium. Tucson, Arizona.

*State*

Camacho, A. M., W. Gless, T. Yamashita, J. Exum, A. Foley, R. DeYoung, **E. P. Tanner**, S. Nelson, and H. L. Perotto-Baldivieso. 2021. Using UAVs for wildlife aerial surveys. What is the big picture? Annual Meeting of the Texas Chapter of the Society for Range Management, Victoria, Texas.

Montemayor, A. L., A. M. Camacho, **E. P. Tanner**, D. Daniels, S. D. Nelson, and H. L. Perotto-Baldivieso. 2021. Modeling increasing temperatures from 2021-2060 using global climate models: potential implications for woody cover encroachment. Annual Meeting of the Texas Chapter of the Society for Range Management, Victoria, Texas.

Lozano, T. H., A. M. Tanner, **E. P. Tanner**, K. A. Wells, and S. J. Corbett. 2021. Turkey vulture and black vulture roosting habits in Kingsville, TX. 57<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Virtual Conference.

Ramirez, M. A., M. T. Page, R. C. Combs, B. K. Johnston, A. M. Camacho, A. DiMaggio, **E. P. Tanner**, J. A. Ortega-S, D. Daniels, T. Kimmet, J. Angerer, and H. L. Perotto-Baldivieso. 2021. Pasture biomass estimation using UAV lowest point analysis. 57<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Virtual Conference.

Gless IV, W. A., A. M. Camacho, M. T. Page, M. A. Ramirez, J. A. Ortega-S, H. L. Perotto-Baldivieso, **E. P. Tanner**, F. S. Smith, A. D. Falk, D. Daniels, T. Kimmet, and S. D. Nelson. 2021. Identifying spectral signatures for bunch grasses using UAV mounted multispectral sensors. 57<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Virtual Conference.

Camacho, A. M., W. Gless, T. Yamashita, J. Exum, A. Foley, R. DeYoung, **E. P. Tanner**, S. Nelson, and H. L. Perotto-Baldivieso. 2021. Using UAVs for wildlife aerial surveys. What is the big picture? 57<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Virtual Conference.

Page, M. T., R. C. Combs, B. K. Johnston, M. Ramirez, A. M. Camacho, A. M. DiMaggio, J. A. Ortega-S, D. Daniels, T. Kimmet, **E. P. Tanner**, J. P. Angerer, and H. L. Perotto-Baldivieso. 2021. An operational approach to forage mass estimation using drones. 57<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Virtual Conference.

**E. P. Tanner**, J. A. Polo, S. Wolf, S. D. Fuhlendorf, and S. K. Brewer. 2021. Quantifying Spatio-Temporal Variability in Thermal Landscapes Through a Fiber-Optic Distributed Temperature Sensing System: Implications for Thermal Ecology Research. 57<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Virtual Conference.

**E. P. Tanner**, J. A. Polo, S. Wolf, S. D. Fuhlendorf, and S. K. Brewer. 2019. Quantifying Spatio-Temporal Variability in Thermal Landscapes Through a Fiber-Optic Distributed Temperature Sensing System: Implications for Thermal

Ecology Research. 52nd Joint Annual Meeting of the Arizona/New Mexico Chapters of The Wildlife Society and the Arizona/New Mexico Chapters of The American Fisheries Society, Albuquerque, New Mexico.

Wolf, S. **E. Tanner**, R. Mollenhauer, S. Fuhlendorf, and S. Brewer. 2018. Determining the temperature selection patterns of native stream fishes in an Ozark stream. Oklahoma Natural Resource Conference, Tulsa, Oklahoma.

**Tanner, E. P.**, R. D. Elmore, C. A. Davis, and S. D. Fuhlendorf. 2017. Wintering bird response to the presence of artificial surface water. Oklahoma Natural Resource Conference, Tulsa, Oklahoma.

**Tanner, E. P.**, R. D. Elmore, S. D. Fuhlendorf, and C. A. Davis. 2016. Ecological pinch points affect usable space and survival of a ground-nesting bird. Oklahoma Natural Resource Conference, Oklahoma City, Oklahoma.

**Tanner, E. P.**, R. D. Elmore, C. A. Davis, and S. D. Fuhlendorf. 2015. Predicting shifts in northern bobwhite and scaled quail distribution from climate change. Joint Meeting of the Oklahoma Chapter of the American Fisheries Society and the Oklahoma Wildlife Society, Tulsa, Oklahoma.

Orange, J. P., C. A. Davis, S. D. Fuhlendorf, R. D. Elmore, and **E. P. Tanner**. 2015. Survival, movement, and habitat use of northern bobwhite and scaled quail chicks at the periphery of their distributional ranges. 2015. Joint Meeting of the Oklahoma Chapter of the American Fisheries Society and the Oklahoma Wildlife Society, Tulsa, Oklahoma.

**Tanner, E. P.**, R. D. Elmore, C. A. Davis, and S. D. Fuhlendorf. 2014. Comparative ecology of northern bobwhite and scaled quail within distribution extremes. Joint Meeting of the Oklahoma Wildlife Society and Oklahoma Society for Range Management. Arcadia, Oklahoma.

Orange, J. P., R. A. Van Den Bussche, M. E. Trope, C. A. Davis, S. D. Fuhlendorf, R. D. Elmore, M. J. Carroll, and **E. P. Tanner**. 2014. Extra-pair paternity, intra-specific nest parasitism, and brood amalgamation in northern bobwhite. Joint Meeting of the Oklahoma Wildlife Society and Oklahoma Society for Range Management. Arcadia, Oklahoma.

**Tanner, E. P.**, R. D. Elmore, C. A. Davis, S. D. Fuhlendorf, and E. T. Thacker. 2012. Breeding season ecology of northern bobwhite and scaled quail in the sand sagebrush community. Oklahoma Wildlife Society Meeting, Tall Grass Prairie Preserve, Oklahoma.

**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, and J. J. Morgan. 2011. Influence of vegetation types on northern bobwhite survival on reclaimed mined lands. Tennessee Wildlife Society Meeting. Townsend, Tennessee.

Unger, A. M., **E. P. Tanner**, C. A. Harper, P. D. Keyser, and J. J. Morgan. 2011. Northern bobwhite habitat selection on a reclaimed surface coal mine in Kentucky. Tennessee Wildlife Society Meeting. Townsend, Tennessee.

**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, and J. J. Morgan. 2011. Influence of vegetation types on northern bobwhite survival on reclaimed mined lands. Kentucky Wildlife Society Meeting. Cumberland Falls State Resort Park, Kentucky.

Unger, A. M., **E. P. Tanner**, C. A. Harper, P. D. Keyser, and J. J. Morgan. 2011. Northern bobwhite habitat selection on a reclaimed surface coal mine in Kentucky. Kentucky Wildlife Society Meeting. Cumberland Falls State Resort Park, Kentucky.

### *Regional*

Wolf, S., **E. P. Tanner**, S. D. Fuhlendorf, R. Mollenhauer, and S. Brewer. 2019. Practical tool or shiny penny? Using fiber-optic distributed temperature sensing to improve evaluations of temperature selection by stream fishes. Southern Division Meeting of the American Fisheries Society, Galveston Island, Texas.

**Tanner, E. P.**, R. D. Elmore, C. A. Davis, and S. D. Fuhlendorf. 2014. Impacts of artificial surface water sources on northern bobwhite and scaled quail populations. 68th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. Destin, Florida.

Orange, J. P., C. A. Davis, R. A. Van Den Bussche, S. D. Fuhlendorf, R. D. Elmore, M. J. Carroll, and **E. P. Tanner**. 2014. Parasitism, paternity, and brood mixing in two sympatric quail species. 68th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. Destin, Florida.

**Tanner, E. P.**, R. D. Elmore, C. A. Davis, S. D. Fuhlendorf, and E. T. Thacker. 2013. Comparative ecology of northern bobwhite and scaled quail in a sand sagebrush community. 67th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. Oklahoma City, Oklahoma.

**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, and J. J. Morgan. 2013. Evaluation of multi-scale factors affecting northern bobwhite nesting ecology on reclaimed mined lands in Kentucky. 67th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. Oklahoma City, Oklahoma.

Unger, A. M., **E. P. Tanner**, C. A. Harper, P. D. Keyser, F. T. Van Manen, and J. J. Morgan. 2013. Northern bobwhite seasonal habitat selection on a reclaimed surface coal mine in Kentucky. 67th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. Oklahoma City, Oklahoma.

**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, and J. J. Morgan. 2010. Influence of native warm-season grasses on northern bobwhite survival on reclaimed mined land. 7th Eastern Native Grass Symposium. Knoxville, Tennessee.

Unger, A. M., **E. P. Tanner**, C. A. Harper, P. D. Keyser, and J. J. Morgan. 2010. Habitat selection of northern bobwhites on a reclaimed surface coal mine in Kentucky. 7th Eastern Native Grass Symposium. Knoxville, Tennessee.

### *Local*

Unger, A. M., **E. P. Tanner**, C. A. Harper, and P. D. Keyser. 2011. Northern bobwhite population ecology on reclaimed mined land. National Bobwhite Technical Committee Meeting. Tallahassee, Florida.

**Tanner, E. P.**, A. M. Unger, P. D. Keyser, C. A. Harper, J. J. Morgan, and E. M. Williams. 2010. Northern bobwhite population ecology on reclaimed mined land. National Bobwhite Technical Committee Meeting. Tallahassee, Florida.

## Nonrefereed

### *Local*

Perotto-Baldivieso, H. L., L. A. Brennan, **E. P. Tanner**, and J. Franco. 2021. Quantifying habitat for scaled quail in South Texas. Rio Grande Joint Venture Research Meeting. Virtual.

**Tanner, E. P.** 2021. Implications of the thermal environment for terrestrial wildlife. TAMUK EVEN Departmental Seminar Series. Kingsville, Texas.

**Tanner, E. P.** 2021. Implications of the thermal environment for deer management. 2021 Deer Research Meeting. Virtual Conference.

Pennartz, K. J., **E. P. Tanner**, M. K. Clayton, A. D. Falk, and H. L. Perotto-Baldivieso. 2021. Whitebrush ecology and control options for management practices. CKWRI Partners Meeting, San Antonio, Texas.

Travis, K. A., **E. P. Tanner**, A. M. Tanner, F. Hernández, H. L. Perotto-Baldivieso, L. A. Brennan, D. G. Hewitt, D. B. Wester, R. Luna, and J. McLaughlin. 2021. A multi-scale assessment of habitat connectivity on chesnut-bellied scaled quail populations. CKWRI Partners Meeting, San Antonio, Texas.

## Research and Scholarly Activities

### Funded Grants

**Tanner, E. P.**, A. M. Tanner, F. Hernández, D. G. Hewitt, D. B. Wester, and R. S. Luna. 2021. A multi-scale assessment of habitat connectivity on chestnut-bellied scaled quail populations. Texas Parks and Wildlife Department. \$572,178.

Fairbanks, S., C. Chitwood, R. Lonsinger, G. Wang, M. Cherry, **E. P. Tanner**, and R. DeYoung. 2021. Movements and population demography of pronghorn in western Oklahoma. Oklahoma Department of Wildlife Conservation. \$1,731,376 (\$360,878 sub-award).

Elmore, R. D., C. Chitwood, C. A. Davis, S. D. Fuhlendorf, R. DeYoung, and **E. P. Tanner**. 2021. Wild turkey population dynamics and brood survival. Oklahoma Department of Wildlife Conservation. \$1,801,010 (\$300,532 sub-award).

Perotto-Baldivieso, H. L., and **E. P. Tanner**. 2021. Developing the spatial database for analyzing land use dynamics in the Ogallala Aquifer between 1950 and 1980. United States Department of Agriculture. \$25,190.

**Tanner, E. P.**, D. Hewitt, F. Smith. 2021. Restoring native rangelands in the Edwards Plateau. Texas Ecolab. \$40,000.

Perotto-Baldivieso, H. L., M. C. Donato-Molina, N. L. Bell, and **E. P. Tanner**. 2021. The Drone WAVE FACTOR: Drone use for Women Advancement, Visibility, and Experiences in Food and Agriculture Cyberinformatics and Tools Oriented to Research. United States Department of Agriculture. \$399,946.

**Tanner, E. P.**, D. Hewitt, F. Smith. 2020. Restoring native rangelands in the Edwards Plateau. Texas Ecolab. \$40,000.

Perotto-Baldivieos, H., L. A. Brennan, and **E. P. Tanner**. 2020. Quantifying habitat for scaled quail in South Texas. American Bird Conservancy. \$7,000.

Hernández, F., **E. P. Tanner**, A. M. Tanner, D. Hewitt. 2020. Keeping a pulse on Texas quails: a state-wide collaborative effort to address the quail decline in Texas. Texas Parks and Wildlife Department. \$67,896.

Rideout-Hanzak, S., D. B. Wester, S. E. Henke, H. L. Perotto-Baldivieos, **E. P. Tanner**, I-K. Hung, and C. Eversole. 2020-2023. Assessment of South Texas loma habitat for Texas tortoise. Texas Parks and Wildlife Department. \$297,638.

**Tanner, E. P.**, and S. D. Fuhlendorf. 2019. Determining the efficacy of targeted conservation practices on lesser prairie-chicken habitat potential. Western Associate of Fish and Wildlife Agencies. \$21,708.

Fuhlendorf, S. D., R. D. Elmore, C. A. Davis, **E. P. Tanner**. 2018-2019. Influence of human policies on lesser prairie-chicken ecology in a fragmented landscape. Natural Resource Conservation Service. \$79,000.

Brewer, S. K., T. A. Worthington, S. D. Fuhlendorf, and **E. P. Tanner**. 2017-2019. Assessing the distribution and habitat needs of Least Darter and sympatric species of the Ozark Arbuckle Mountain ecoregions. Funding Agency: Oklahoma Department of Wildlife Conservation. \$90,000.

Brewer, S. K., B. Mollenhauer, S. D. Fuhlendorf, and **E. P. Tanner**. 2017-2019. Assessing the effects of rainbow trout stocked in Oklahoma on native fishes in Spavinaw Creek, Oklahoma and Arkansas. Oklahoma Department of Wildlife Conservation and Arkansas Game and Fish Commission. \$100,000.

### **Proposals Submitted and Currently Under Review**

#### **Proposals Submitted but not Funded**

Ren, J., H. Li, K. Jones, J-W. Choi, H. L. Perotto-Baldivieso, A. Rajib, **E. P. Tanner**, and A. Hessami. 2021. Breaching vulnerability in the Texas barrier islands: a management tool for coastal resiliency. The Texas General Land Office. \$1,271,006.

Markewitz, D., J. A. Martin, R. Abney, A. Bhandari, D. Davis, P. Dwivedi, S. D. Fuhlendorf, M. Gebremedhin, S. Hall, J. Hepinstall-Cymeran, D. Janke, M. Levi, T. Oschner, A. Peduzzi, **E. P. Tanner**, A. Tucker, and A. M. Tanner. 2021. Assessing and improving contributions of Conservation Reserve Program to climate change mitigation and environmental benefits. United States Department of Agriculture. \$6,563,350.

Tanner, A. M., **E. P. Tanner**, J. Baumgardt, S. Kahl, and S. D. Fuhlendorf. 2021. Assessing the utility of camera-trap arrays to detect and study the habitats of spot-tailed earless lizards and the co-occurring community. Texas Comptroller of Public Accounts. \$349,047.

**Tanner, E. P.**, M. Sergeyev, E. Jensen, M. E. Tewes, and C. D. Hilton. 2020. Estimating thermoneutrality in the endangered ocelot (*Leopardus pardalis*). The Chicago Zoological Society. \$4,904.



**Tanner, E. P.,** A. M. Tanner, A. Dayer, E. H. Smith, W. Harrell. 2020. Assessing, mapping and addressing social risks and opportunities for whooping crane range expansion along the Coastal Bend of Texas. The Rotary Club of Corpus Christi Harvey Weil Sportsman Conservationist Award. \$100,000.

**Tanner, E. P.,** A. M. Tanner, F. Hernández, D. G. Hewitt, D. B. Wester, R. S. Luna, and D. Rollins. 2020. A multi-scale assessment of habitat connectivity on scaled quail populations. Texas Parks and Wildlife Department. \$652,537 (funding opportunity pulled due to COVID-19).

**Tanner, E. P.,** S. Rideout-Hanzak, S. E. Henke, D. B. Wester, H. L. Perotto-Baldivieso, A. M. Tanner, and C. D. Hilton. 2020. Direct and indirect effects of prescribed fire on herpetofaunal communities. Texas Parks and Wildlife Department. \$412,307 (not funded).

Hernández, F., **E. P. Tanner,** A. M. Tanner, D. G. Hewitt, and D. B. Wester. 2020. Keeping a pulse on Texas quails: a state-wide, collaborative effort to address the quail decline in Texas. Texas Parks and Wildlife Department. \$214,328 (funding opportunity pulled due to COVID-19).

## **Professional Growth and Activities**

### **Membership in Professional Societies**

Society of American Foresters - Member (2007-2009)

The Wildlife Society - Member (2009-present)

Payne County Audubon Society – Board member (2012-2017)

Oklahoma Ornithological Society - Member (2016-2019)

Society for Range Management - Member (2016-present)

South Central Climate Adaptation Center – Research Affiliate (2020-present)

Southwest Section of The Wildlife Society (2020-present)

Texas Chapter of The Wildlife Society (2020-present)

### **Leadership Roles in Professional Societies**

2021 Poster Judge for Texas Chapter of the Wildlife Society Annual Meeting – Virtual Conference.

2020 Poster Judge for Texas Chapter of the Wildlife Society Annual Meeting – Corpus Christi, Texas.

2020 Texas Chapter of the Wildlife Society Awards Committee member.

- Reviewed and selected professional awards for the Texas Chapter of The Wildlife Society

Payne County Audubon Society Board of Directors (August 2012 – December 2017).

- Served to guide operations of the Payne County Audubon Society.

2016 Oklahoma Natural Resource Conference Awards Committee member.

- Reviewed and selected professional awards for the Oklahoma Chapter of The Wildlife Society.

Graduate Student Chair –Coordinator for 2012 Southeastern Wildlife Conclave.

- Coordinated efforts for organization of field trips associated with the Southeastern Wildlife Conclave.

### **Service Activities Outside the University**

2021- San Antonio Bay Partnership 2021 Bay Cleanup.

2020 – Coastal Bend Food Bank volunteer.

### **Honors and Awards**

Publication and Creativity Award for Peer-Reviewed Article: *Extreme climatic events constrain space use and survival of a ground-nesting bird. Global Change Biology. 2017.* The Oklahoma Chapter of the Wildlife Society.

Student Research Award (2<sup>nd</sup> place). 2016. The Oklahoma Chapter of the Wildlife Society.

Student Research Award (1<sup>st</sup> place). 2014. The Oklahoma Chapter of the Wildlife Society and Oklahoma Section of Society for Range Management.

Associate Wildlife Biologist (2018-2019)

Certified Wildlife Biologist (2020-present)

### **Other Professional Activities Not Covered Above**

#### **CURRENT GRADUATE STUDENT RESEARCH PROJECTS**

Molly O'Brien, M. S. Candidate. Department of Range and Wildlife Sciences. Research Proposal: Restoring native rangelands in the Edwards Plateau.

Katie Pennartz, M. S. Candidate. Department of Range and Wildlife Sciences. Research Proposal: Ecology and management of whitebrush.

Breanna Green, M. S. Candidate. Department of Range and Wildlife Sciences. Research Proposal: Thermal ecology of white-tailed deer in South Texas.

Katherine Travis, M. S. Candidate. Department of Range and Wildlife Sciences. Research Proposal: Movement ecology of chestnut-bellied scaled quail in South Texas.

Ed Rhodes, Ph.D., Department of Range and Wildlife Sciences. Research Proposal: Land cover trends in the Ogallala Aquifer region.

### **Other Student Committees**

Maksim Sergeyev, PhD Candidate. Department of Range and Wildlife Sciences.

Zachary Wardle, M. S. Candidate. Department of Range and Wildlife Sciences.

Aidan Branney, M. S. Candidate. Department of Range and Wildlife Sciences.

Michael Page, M. S. Candidate. Department of Range and Wildlife Sciences.

Annalisa Camacho, M. S. Candidate. Department of Range and Wildlife Sciences.

Sarah Jacobson, M. S. Candidate. Department of Range and Wildlife Sciences.

Lori Massey, M. S. Candidate. Department of Range and Wildlife Sciences.

Brooke Bowman, M. S. Candidate. Sul Ross State University.

### **Undergraduate Research**

Autumn Coronado. Department of Range and Wildlife Sciences. Research Project: Urban ecology of Texas tortoises.

Michael Kalisek. Department of Range and Wildlife Sciences. Research Project: Lead level analyses in black and turkey vultures in South Texas.

Tristan Lazano. Department of Range and Wildlife Sciences. Research Project: Vulture roost dynamics in Kingsville, Texas.

### **Professional Reviewer**

*Journals:*

Acta Oecologica

2018 (1 manuscript)

Ag, Ecosystems, and the Environment

2021 (2 manuscript)

2020 (1 manuscript)

Ecological Modelling

2017 (1 manuscript)

Ecological Processes

2021 (1 manuscript)

Ecology and Evolution

2021 (1 manuscript)

2019 (1 manuscript)

Ecosphere

2021 (1 manuscript)

2018 (2 manuscripts)

Journal of Wildlife Management

2020 (1 manuscript)

2018 (1 manuscript)

2017 (1 manuscript)

Landscape Ecology

2020 (1 manuscript)

Methods in Ecology and Evolution

2017 (1 manuscript)

PLoS ONE

2020 (1 manuscript)

2019 (1 manuscript)

2017 (1 manuscript)

Rangeland Ecology and Management

2018 (1 manuscript)

Scientific Reports

2018 (1 manuscript)

Southwestern Naturalist

2016 (1 manuscript)

The Condor

2020 (1 manuscript)

2019 (1 manuscript)

2018 (2 manuscripts)

2017 (2 manuscripts)

2016 (1 manuscript)

The Science of Nature

2020 (1 manuscript)

Wilson Journal of Ornithology

2020 (1 manuscript)

2018 (1 manuscript)

*Proceedings:*

Ninth National Quail Symposium Proceedings

(1 manuscript)

Eighth National Quail Symposium Proceedings

*CKWRI Internal Manuscript Reviews*

2021 (4 manuscripts)

2020 (7 manuscripts)

**Editor Appointments**

Quail 9 – Associate Editor (2021-current)

## **Service**

Ran a CKWRI and TAMUK recruitment table for the Kingsville Monarch Blitz Festival in October 2021.

Society for Range Management Diversity and Inclusion Committee. 2021-current. Develop tangible objectives for the Society for Range Management to promote climate, diversity and inclusion with the society. Helped coordinate and lead the SRM Forum on Diversity and Inclusion at the 2021 National Meeting.

President's Council on Climate, Diversity and Inclusion. 2020-current. Develop tangible objectives for the Texas A&M University-Kingsville's President to meet to promote climate, diversity and inclusion on campus in recent light of social justice movements.

Committee for Centralized Data Storage and Technology for CKWRI. 2020-current. Develop a framework to collate and secure current and long-term data gathered by scientists at CKWRI.

Proposal Review Panel for South Texas Grassland Restoration Incentive Program. 2020-current. Review proposals from landowners applying for incentives through the South Texas Grassland Restoration Incentive Program.

## **Professional Development and Trainings**

Prairie Project Education Cohort 2. 2021-current.