

**Sandra Rideout-Hanzak, Ph.D.**

Professor & Research Scientist  
Department of Rangeland and Wildlife Sciences, Caesar Kleberg Wildlife Research Institute  
Texas A&M University-Kingsville  
MSC 228  
Kingsville, TX 78363  
Office: 361-593-4546  
Email: [sandra.rideout-hanzak@tamuk.edu](mailto:sandra.rideout-hanzak@tamuk.edu)

**EDUCATION**

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Ph.D.	Stephen F. Austin State University	May 2001	Forestry
M.S.F.	Stephen F. Austin State University	Dec 1997	Forestry
B.A.	Ball State University	May 1987	Health & Safety Education

**LICENSURE/CERTIFICATION**

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Certified Senior Wildlife Fire Ecologist, Association for Fire Ecology, 2014  
Lead Burn Instructor, Texas Certified and Insured Prescribed Burn Managers Program, 2011

**PROFESSIONAL EXPERIENCE**

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2019-Present	Professor and Research Scientist (same as below)
2013-2019	Associate Professor and Research Scientist (same as below)
2010-2013	Assistant Professor and Research Scientist, Department of Rangeland and Wildlife Sciences, and Caesar Kleberg Wildlife Research Institute, Texas A&M University-Kingsville
2005-2010	Assistant Professor, Natural Resources Management, Texas Tech University
2001-2005	Research Forester, Southern Research Station, U.S.D.A. Forest Service
1998-1999	Instructor, Arthur Temple College of Forestry, Stephen F. Austin State University

**SELECTED PUBLICATIONS**

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*Selected Refereed Journal Articles*

Chaudhary, T., W. Xi, M. Subedi, S. **Rideout-Hanzak**, H. Su, N. Dewez, and S. Clarke. 2022. East Texas forests show strong resilience to exceptional drought. *Forestry* DOI:10.1093/forestry/cpac050

Moeller, C., E.D. Rangel, S.E. Henke, S. **Rideout-Hanzak**, R. DeMaar, and C.B. Eversole. 2022. *Gopherus berlandieri* (Texas tortoise), Mortality. Natural History Notes, *Herpetological Review* 53(3):486-487.

Pope, T.L., S.E. Henke, D.B. Wester, S. **Rideout-Hanzak**, and C.D. Hilton. 2021. Effect of prescribed fire on the viability of *Baylisascaris procyonis* eggs. *Journal of Wildlife Diseases* 57(1):94-103.

Subedi, M., W. Xi, C. Edgar, S. **Rideout-Hanzak**, M. Yan. 2020. Tree mortality and biomass loss in drought-affected forests of East Texas, USA. *Journal of Forestry Research*. <https://doi.org/10.1007/s11676-020-01106-w>.

*S. Rideout-Hanzak Abbreviated CV*

- Grace, J., S. **Rideout-Hanzak**, R. Stanko, V. Acosta-Martinez, A. Ortega, D. Wester. 2019. Soil seed bank characteristics in rangelands with increasing invasion of *Heteropogon contortus* or *Eragrostis lehmanniana*. *Journal of Arid Environments* 170(2019):1004009.
- Wester, D.B., S. **Rideout-Hanzak**, C.M. Britton, B.C. May. 2019. Effects of fire on Kuenzler's hedgehog cactus (*Echinocereus fendleri* var. *kuenzleri*). *Natural Areas Journal* 39(3):339-350
- Grace, J.L., V. Acosta-Martinez, S. **Rideout-Hanzak**, R. Stanko, A. Ortega-S., D.B. Wester. 2019. Soil microbial community size and composition changes along a tanglehead (*Heteropogon contortus*) gradient in a semiarid region. *Applied Soil Ecology* 138:37-46.
- Wester, D.B., J.B. Hoffman, S. **Rideout-Hanzak**, D.E. Ruppert, V. Acosta-Martinez, F.S. Smith, P.M. Stumberg. 2018. Restoration of mixed soils along pipelines in the western Rio Grande Plains, Texas, USA. *Journal of Arid Environments* 161:25-34.
- Subedi, M.R., W. Xi, C. Edgar, S. **Rideout-Hanzak** and B. C. Hedquist. 2018. Assessment of geostatistical methods for spatiotemporal analysis of drought patterns in East Texas, USA. *Spatial Information Research* 27:11-21.
- Wester, D.B., F.C. Bryant, A.D. Tjelmeland, J.L. Grace, S.L. Mitchell, J.T. Edwards, F. Hernández, R.K. Lyons, M.K. Clayton, S. **Rideout-Hanzak**, R.V. Machen and J. Alfonso Ortega-S. 2018. Tanglehead in southern Texas: A native grass with an invasive behavior. *Rangelands* April:37-44. Received Best Popular Article award at the Texas Section for Society for Range Management meeting, Oct. 2018.
- Lovell, M.C., S. **Rideout-Hanzak**, A.D. Falk, K.A. Pawelek, D.E. Ruppert, V. Acosta-Martinez, F.S. Smith, P.M. Stumberg and D.B. Wester. 2018. Soil seed banks in stock-piled topsoils in the western Rio Grande Plains, Texas. *Ecological Restoration* 36(3):226-237.
- Mata, J.M., H.L. Perotto, F. Hernández, E.D. Grahmann, S. **Rideout-Hanzak**, J.T. Edwards, M.T. Page, and T.M. Shedd. 2018. Quantifying the spatial and temporal distribution of tanglehead (*Heteropogon contortus*) on South Texas rangelands. *Ecological Processes* 7(2):1-9.
- McCloughan, A.C., S. **Rideout-Hanzak**, D.B. Wester and W. Xi. 2017. Evaluating management techniques on survival and growth of slender rush-pea *Hoffmannseggia tenella* in southern Texas, USA. *Natural Areas Journal* 37(3):382-293.
- Wester, D.B, S. **Rideout-Hanzak**, C.M. Britton and H. Whitlaw. 2014. Plant community response to the East Amarillo Complex wildfires in the Southern High Plains, USA. *Community Ecology* 15(2):222-234.
- Roberts, A.J., C.W. Boal, D.B. Wester, S. **Rideout-Hanzak** and H.A. Whitlaw. 2012. Grassland bird community response to large wildfires. *The Wilson Journal of Ornithology* 124(1):24-30.

*Selected Popular Articles:*

**Rideout-Hanzak**, S. 2022. Texas wildfires: Should we expect more years like 2022? *Texas Wildlife*, August:26-28

Ortega-S., J. A., C. H. Walther, A. DiMaggio, R. Combs, J. M. Mata, H. L. Perotto-Baldivieso, S. **Rideout-Hanzak**, and D. B. Wester. 2020. Challenges and strategies to manage invasion of tanglehead: A threat for wildlife habitat integrity. *Caesar Kleberg Tracks* 5(1):8–11.

Ávila Sánchez, J.S., V.L. Haynes, S. **Rideout-Hanzak**, D.B. Wester, A. Ortega-S., and H.L. Perotto. 2020. Patch Burning as a Management Tool for Coastal Rangelands in South Texas. *East Foundation Management Bulletin* 5. 4 pp.

**Rideout-Hanzak**, S., D.B. Wester, and J.S. Ávila Sánchez, 2019. Is a summer burn a "hotter" burn? *Caesar Kleberg Tracks* (23):3.

**Rideout-Hanzak**. 2018. Prescribed burning for improved wildlife habitat is not as simple as lighting a match. *Texas Wildlife*, August:30-32.

Haynes, T., J.S. Ávila Sánchez, A. Ortega-S., D. Wester and S. **Rideout-Hanzak**. 2018. Improving livestock distribution and utilization in gulf cordgrass with prescribed burning. *Caesar Kleberg Tracks* 3:

Walther, C.H., J.A. Ortega-S., H. Perotto-Baldivieso, S. **Rideout-Hanzak** and D.B. Wester. 2017. Long term responses of tanglehead to prescribed burning and cattle grazing. *Grass Roots*, a publication by the Texas Section Society for Range Management 69:13.

Haynes, V., J.S. Ávila Sánchez, S. **Rideout-Hanzak**. 2017. Season of burning on large mammal usage of gulf cordgrass. *South Texas Wildlife* 21.

*Selected podcast episodes: A Talk on the Wild Side*

\*Indicates episodes that include a video version on YouTube.

50. \*Alligator Gar—Gargantuan Fish! – S2E16, with Dr. Dan Daugherty, Jan. 2, 2023.

49. \*CWD in Texas Update – S2E15, with Dr. Hunter Reed, Dec. 19, 2022.

46. \*Dear Me! No, Deer U! Long Version– S2Bonus, with Dr. M. Cherry and Dr. B. Strickland, Nov. 8, 2022.

45. Dear Me! No, Deer U! – S2E12, with Dr. M. Cherry and Dr. B. Strickland, Nov. 8, 2022.

44. \*Vampires We Love, and Why We're Batty about Them! – S2E11, with Dr. A. Adams, Oct. 26, 2022.

43. \*Invasion of the Brown Widows! – S2E10, with Ashley Wahlberg, Oct. 12, 2022.

41. \*Ben Masters and Mountain Lions! - S2E8, with B. Masters, Sep. 2022.

40. Fastest Hooves in the West! – S2E7, with S. Gray. Aug. 30, 2022.

39. When (Wild) Pigs Fly! – S2E6, with Dr. J. Tomeček. Aug. 16, 2022.

34. No Fowl Language, Just Turkey Talk! – S2E3, with J. Hardin. Jul 5, 2022.

33. Eat, Prey, Dove! – S2E2, with O. Fitzsimmons. Jun 21, 2022.

31. Paint the Town Reddish (Egrets, that is)! – S1E27, with Dr. C. Green. May 24, 2022

30. Restoration, Pipelines, and Cattle Panel – S1E26, with Dr. D. Wester and B. Slothower. May 10, 2022.

29. Colorful Gifts of Coral Reefs – S1E25, with Dr. K. Bahr. Apr. 26, 2022.

28. Mountain Life with Desert Bighorn Sheep – S1E24, with F. Hernandez. Apr. 12, 2022.

27. Alligators: Actually Not Big Toothy Lizards – S1E23, with Dr. C. Eversole. Mar. 28, 2022.

26. What's Up with All These Wildfires – S1Bonus, Mar. 25, 2022.

22. Oil and Sharks don't Mix! – S1E20, with Dr. D. Portnoy. Feb. 15, 2022.

21. Duck Detectives on the Case! – S1E19, with Ms. G. Eccles and Dr. B. Ballard. Feb. 1, 2022.

20. \*Milking Snakes—Not as Easy as Milking Cows! – S1E18, with M. Hockmuller and J. Salinas. Jan. 18, 2022.

19. Come on Baby, Light my Fire! – S1E17, with Dr. B. Oswald. Jan. 4, 2022.

18. \*Kemp's Ridley Conservation—Like Turtley, Dude! – S1E16, with Dr. D. Shaver. Dec. 21, 2021.

*S. Rideout-Hanzak Abbreviated CV*

16. The Native American Perspective on Wildlife Conservation—And Bears, too! – S1E14, with Dr. D. Doan-Crider. Nov. 23, 2021.
14. Houston, Wildlife has a SpaceX Problem! Part 2 – S1E12, with D. Newstead. Oct. 26, 2021.
13. Houston, Wildlife has a SpaceX Problem! Part 1 – S1E11, with D. Newstead. Oct. 26, 2021.
11. To Cull or Not to Cull; That is the Question – S1E9, with D. Draeger. Sep. 28, 2021.
10. Pearls of Wisdom about Oyster Reefs – S1E8, with Dr. J. Pollack. Sep. 14, 2021.
9. White-tailed Deer Dating: There’s not an App for that – S1E7, with Dr. R. DeYoung. Aug. 31, 2021.
8. The Big Shooter! Photographer Wyman Meinzer – S1E6, with W. Meinzer. Aug. 18, 2021.
7. Chronic Wasting Disease in Texas – S1 Bonus episode, with M. Lockwood. Aug. 10, 2021.
6. Oodles of Nurdles! A Global Pollution Hurdle! – S1E5, with J. Tunnel. Aug. 3, 2021.
5. Introducing... Introduced Bluestems! – S1E4, with Dr. M. Clayton. Jul. 20, 2021.
4. Horned Lizards, Coyotes, and Roadrunners! Beep, Beep! – S1E3, with Dr. S. Henke. Jul. 6, 2021.
3. Even Dolphins Do It! – S1E2, with Dr. D. Orbach. Jun 24, 2021.
2. Bobwhite Quail, Color Cues & Hormone Coctails – S1E1. Jun 9, 2021.
1. Intro to the Podcast and our Team. Jun. 9, 2021.

*Selected Grants (Total: \$2,289,071.)*

**Rideout-Hanzak, S., C.J. Anderson, R.R. Zerlin.** 2021. A Talk on the Wild Side. Rotary Club of Corpus Christi Harvey Weil Sportsman Conservation Award. \$100,000. 2.5 years.

**Rideout-Hanzak, S., D.B. Wester, S.E. Henke, H. Perotto, E. Tanner, I. Hung, C. Eversole.** 2020. Assessment of South Texas Loma Habitat for Texas Tortoise. Texas Parks & Wildlife Department. \$193,264. 3 years.

**Rideout-Hanzak, S., D.B. Wester, and A. Ortega-S.** 2018. Season of burning effects on vegetative communities and rangeland health on El Sauz Ranch. East Foundation. \$374,630. 4 years.

**Rideout-Hanzak, S., D.B. Wester, M. Tewes, F. Smith, D. Ruppert.** 2017. Accelerating maturation of thornscrub habitat for ocelots. State Wildlife Grants. \$99,680. 2.5 years.

**Rideout-Hanzak, S., D.B. Wester, S.E. Henke, H. Perotto, E. Tanner, I. Hung, C. Eversole.** 2020. Assessment of South Texas Loma Habitat for Texas Tortoise. Texas Parks & Wildlife Department. \$193,264. 3 years.

**Xi, Weimin, S. Rideout-Hanzak, and C. Edgar.** 2019. Assessing impacts of exceptional drought on forests in East Texas: An analysis of tree mortality using FIA data and a forest drought model. USDA Evaluation Monitoring Program. \$77,648. 3 years.

**Rideout-Hanzak, S., D.B. Wester, and A. Ortega-S.** 2018. Season of burning effects on vegetative communities and rangeland health on the East Foundation’s El Sauz Ranch. East Foundation. \$374,630. 4 years.

**Rideout-Hanzak, S.** 2018. Fueling the Monarch Migration through South Texas. TAMUK Service Learning. \$8,300. 1 year.

**Rideout-Hanzak, S., D.B. Wester, M. Tewes, F. Smith, D. Ruppert.** 2017. Accelerating maturation of thornscrub habitat for ocelots. State Wildlife Grants. \$99,680. 2.5 years.