

Stephen L. Webb, Ph.D.
Curriculum Vitae (Abbreviated)

Certified Wildlife Biologist®, The Wildlife Society
Certified Senior Ecologist, Ecological Society of America
Book Review Editor, Journal of Wildlife Management
Senior Research Scientist, Natural Resources Institute
Texas A&M University
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EDUCATION

Mississippi State University, Starkville, Mississippi
Degree: Doctor of Philosophy in Forest Resources
Major: Wildlife Science
Dissertation: *Movements, relatedness, and modeled genetic manipulation of white-tailed deer*

Texas A&M University-Kingsville, Kingsville, Texas
Degree: Master of Science
Major: Range and Wildlife Management
Thesis: *Home range, mortality, and water use of mature male white-tailed deer in south Texas*

Texas A&M University-Kingsville, Kingsville, Texas
Degree: Bachelor of Science in Agriculture
Major: Range and Wildlife Management
Minor: Biology
Magna Cum Laude

PROFESSIONAL EXPERIENCE

Senior Research Scientist, Natural Resources Institute
Texas A&M University **11/2021 – Present**

Book Review Editor, Journal of Wildlife Management
The Wildlife Society **09/2013 – Present**

Senior Research Consultant, Range and Wildlife Ecology **09/2021 – 10/2021**

Staff Scientist, Range and Wildlife Ecology **04/2019 – 08/2021**

Manager of Ag Systems Technology, Ag Technology Innovation **02/2018 – 03/2019**

Landscape Ecologist, Ag Systems Research and Technology **01/2015 – 02/2018**

Biostatistics and Spatial Analyst, Department of Computing Services
Noble Research Institute, LLC **03/2012 – 01/2015**

Adjunct Assistant Professor, Natural Resource Ecology and Mngmt. **09/2015 – 12/2020**
Oklahoma State University

Adjunct Assistant Professor, Department of Environmental Toxicology **09/2016 – 09/2019**
Texas Tech University

Associate Editor, Rangeland Ecology and Management **10/2015 – 10/2018**
Society for Range Management

Quantitative Ecologist **10/2009 – 02/2012**
HWA Wildlife Consulting, LLC (formerly Hayden-Wing Associates, LLC)

Research Associate, Deer Research Program **05/2005 – 12/2005**
Research Associate, Feline Research Center **01/2002 – 08/2002**
Caesar Kleberg Wildlife Research Institute
Texas A&M University-Kingsville

WEBPAGES/URLs

[Google Scholar](#) | [LinkedIn](#) | [ResearchGate](#) | [Instagram](#) | [Twitter](#) | [ORCiD](#) | [SciProfiles](#)

PEER-REVIEWED PUBLICATIONS

*Denotes invited paper; **Denotes Special Issue

- 72)** Haydett, K.M., S.T. Peper, C.R. Webb, A.N. Wilson-Fallon, H.S. Tiffin, Y.L. Jones-Hall, **S.L. Webb**, and S.M. Presley. 2021. Prevalence of *Neospora caninum* exposure in wild pigs (*Sus scrofa*) from Oklahoma with implications of testing method on detection. *Animals* 11, 2487:1–10.
- 71)** Long, J.A., **S.L. Webb**, S.M. Harju, and K.L. Gee. 2021. Analyzing contacts from high frequency tracking data using the wildlifeDI R package. *Geographical Analysis* 53: <https://doi.org/10.1111/gean.12303>.
- 70) Harju, S.M., C.V. Olson, J.E. Hess, and **S.L. Webb**. 2021. Isotopic analysis reveals landscape patterns in the diet of a subsidized predator, the common raven. *Ecological Solutions and Evidence* 2:e12100. <https://doi.org/10.1002/2688-8319.12100>
- 69)** Gaskamp, J.A., N.J. Silvy, K.L. Gee, T.A. Campbell, and **S.L. Webb**. 2021. Effectiveness and efficiency of corral traps, drop nets and suspended traps for capturing wild pigs. *Animals* 11(6):1565, 1–17.
- 68)** **Webb, S.L.**, R.W. DeYoung, S. Demarais, B.K. Strickland, and K.L. Gee. 2021. Testing a local inbreeding hypothesis as a cause of observed antler characteristics in managed populations of white-tailed deer. *Diversity* 13(3):116, 1–18.

- 67)** Latch, E.K., K.L. Gee, **S.L. Webb**, R.L. Honeycutt, R.W. DeYoung, R.A. Gonzales, S. Demarais, and R. Toby. 2021. Genetic consequences of fence confinement in a population of white-tailed deer. *Diversity* 13(3):126, 1–12.
- 66) Cove, M.V., et al. 2021. SNAPSHOT USA 2019: a coordinated national camera trap survey of the United States. *Ecology* 102(6):e03353.
- 65) Peper, S.T., A. Hoffarth, K. Athanasiou, S.L. Hawkins, A.N. Wilson-Fallon, A. Gibson, C.R. Webb, J.A. Gaskamp, **S.L. Webb**, K.M. Haydett, H.S. Tiffin, and S.M. Presley. 2021. *Brucella* spp. and *Francisella tularensis* from an invasive alien species (*Sus scrofa*) in the southcentral USA. *Ecosphere* 12(3):e03426.
- 64) Hines, S.L., T.E. Fulbright, J.A. Ortega-Santos, **S.L. Webb**, D.G. Hewitt, and T.W. Boutton. 2021. Compatibility of dual enterprises for cattle and deer in North America: a quantitative review. *Rangeland Ecology and Management* 74:21–31.
- 63) Interrante, S.M., J.D. Stein, M.A. Trammell, **S.L. Webb**, and T.J. Butler. 2020. Tall Fescue Germplasm Response to Freezing Temperatures. *Agricultural and Environmental Letters* 5:e20017.
- 62) Haus, J.M., **S.L. Webb**, B.K. Strickland, K.P. McCarthy, J.E. Rogerson, and J.L. Bowman. 2020. Individual heterogeneity in resource selection has implications for mortality risk in white-tailed deer. *Ecosphere* 11(4): e03064.
- 61) Boyer, K.S., W.S. Fairbanks, C. Rohla, and **S.L. Webb**. 2020. Surficial soil damage by wild pigs (*Sus scrofa*) decreases pecan harvest efficiency. *Crop Protection* 128:104992. DOI: 10.1016/j.cropro.2019.104992.
- 60) Haus, J.M., **S.L. Webb**, B.K. Strickland, J.E. Rogerson, and J.L. Bowman. 2019. Land use and dispersal influence mortality in white-tailed deer mortality. *Journal of Wildlife Management* 83(5):1185–1196.
- 59) Jiang, Q., **S.L. Webb**, H.S. Bhandari, J.H. Bouton, and M.C. Saha. 2019. Ecotypic and genotypic effects on regrowth and heading date in switchgrass (*Panicum virgatum*). *Plant Direct* 3:1–9.
- 58) Gaskamp, J.A., K.L. Gee, T.A. Campbell, N.J. Silvy, and **S.L. Webb**. 2018. Damage caused to rangelands by wild pig rooting activity is mitigated with intensive trapping. *Cogent Environmental Science* 4:1540080.
- 57) Butler, T.J., A.E. Celen, **S.L. Webb**, D. Krstic, and S.M. Interrante. 2017. Germination in cool-season forage grasses under a range of temperatures. *Crop Science* 57:1725–1731.

- 56) Kim, K.S., J.D. Anderson, **S.L. Webb**, M.A. Newell, and T.J. Butler. 2017. Variation in winter forage production of four small grain species: oat, rye, triticale and wheat. *Pakistan Journal of Botany* 49:553–559.
- 55)* **Webb, S.L.** 2016. Editor’s Message. Book reviews: the ins and outs. *Journal of Wildlife Management* 80:781–782.
- 54) Marantz, S., J.A. Long, **S.L. Webb**, K.L. Gee, A.R. Little, and S. Demarais. 2016. Impacts of human hunting on spatial behavior of white-tailed deer. *Canadian Journal of Zoology* 94:853–861.
- 53) Little, A.R., **S.L. Webb**, S. Demarais, K.L. Gee, S.K. Riffell, and J.A. Gaskamp. 2016. Hunting intensity alters movement behaviour of white-tailed deer. *Basic and Applied Ecology* 17:360–369.
- 52) Gaskamp, J.A., K.L. Gee, T.A. Campbell, N.J. Silvy, and **S.L. Webb**. 2016. Pseudorabies virus and *Brucella abortus* from an expanding wild pig (*Sus scrofa*) population in southern Oklahoma. *Journal of Wildlife Diseases* 52:383–386.
- 51) Demarais, S., B.K. Strickland, **S.L. Webb**, T. Smith, and C. McDonald. 2016. Simulated effects of releasing pen-raised deer into the wild to alter population-level antler size. *Wildlife Society Bulletin* 40:41–49.
- 50) Long, J.A., **S.L. Webb**, T.A. Nelson, and K.L. Gee. 2015. Mapping areas of spatial-temporal overlap from wildlife tracking data. *Movement Ecology* 3(38):1–14.
- 49) Flinn, J.J., S. Demarais, B.K. Strickland, K.L. Gee, **S.L. Webb**, P.D. Jones, and H. Jacobson. 2015. Estimating age and antler traits of photographed male white-tailed deer. *Journal of the Southeastern Association of Fish and Wildlife* 2:135–143.
- 48) Dzialak, M.R., C.V. Olson, **S.L. Webb**, S.M. Harju, and J.B. Winstead. 2015. Incorporating within- and between-patch resource selection in identification of critical habitat for brood-rearing greater sage-grouse. *Ecological Processes* 4(5).
- 47) Little, A.R., S. Demarais, K.L. Gee, **S.L. Webb**, S.K. Riffell, J.A. Gaskamp, and J. Belant. 2014. Does human predation risk affect harvest susceptibility of white-tailed deer during hunting season? *Wildlife Society Bulletin* 38:797–805.
- 46) Butler, T.J., A.E. Celen, **S.L. Webb**, D. Krstic, and S.M. Interrante. 2014. Temperature affects the germination of forage legume seeds. *Crop Science* 54:2846–2853.
- 45) Jiang, Q., **S.L. Webb**, C.R. Yesudas, H.S. Bhandari, B. Narasimhamoorthy, J.H. Bouton, and M.C. Saha. 2014. Variance components and heritability of biomass yield in switchgrass (*Panicum virgatum* L.) grown in the southern Great Plains. *Field Crops Research* 168:148–155.

- 44) Long, J.A., T.A. Nelson, **S.L. Webb**, and K.L. Gee. 2014. A critical examination of indices of dynamic interaction for wildlife telemetry studies. *Journal of Animal Ecology* 83:1216–1233.
- 43) Zhu, M., Y. Chen, X.S. Ding, **S.L. Webb**, T. Zhou, R.S. Nelson, and Z. Fan. 2014. Maize elongin C interacts with the viral genome-linked protein, VPg, of *sugarcane mosaic virus* and facilitates virus infection. *New Phytologist* 203:1291–1304.
- 42) Gee, K.L., **S.L. Webb**, and P.D. Jones. 2014. Age-specific changes in body mass and delayed physical development of a known-aged sample of white-tailed deer. *Wildlife Biology in Practice* 10:69–84.
- 41) Bhandari, H.S., **S.L. Webb**, J.H. Bouton, and M.C. Saha. 2014. Reciprocal effects for biomass yield in lowland switchgrass. *Crop Science* 54:955–962.
- 40) Gee, K.L., **S.L. Webb**, and J. Holman. 2014. Accuracy and implications of visually estimating age of male white-tailed deer using physical characteristics from photographs. *Wildlife Society Bulletin* 38:96–102.
- 39)* **Webb, S.L.**, and K.L. Gee. 2014. Annual survival and site fidelity of free-ranging white-tailed deer (*Odocoileus virginianus*): comparative demography before (1983–1992) and after (1993–2005) spatial confinement. *Integrative Zoology* 9:24–33.
- 38) **Webb, S.L.**, K.L. Gee, R.W. DeYoung, and S.M. Harju. 2013. Variance component analysis of body mass in a wild population of deer (*Odocoileus virginianus*): results from two decades of research. *Wildlife Research* 40:588–598.
- 37) **Webb, S.L.**, J. Mosali, J.L. Baker, and M.A. Newell. 2013. Estimates of variance components and repeatability for total forage yield in rye: implications for breeding. *Plant Breeding* 132:580–585.
- 36) Harju, S.M., C.V. Olson, L. Foy-Martin, **S.L. Webb**, M.R. Dzialak, J.B. Winstead, and L.D. Hayden-Wing. 2013. Occurrence and success of greater sage-grouse broods in relation to insect-vegetation community gradients. *Human-Wildlife Interactions* 7:214–229.
- 35) **Webb, S.L.**, M.R. Dzialak, D. Houchen, K.L. Kosciuch, and J.B. Winstead. 2013. Spatial ecology of female mule deer in an area proposed for wind energy development. *Western North American Naturalist* 73:347–356.
- 34) **Webb, S.L.**, M.R. Dzialak, J.P. Mudd, and J.B. Winstead. 2013. Developing spatially-explicit weighting factors to account for bias associated with missed GPS fixes in resource selection studies. *Wildlife Biology* 19:257–273.

- 33) Dzialak, M.R., D.J. Houchen, S.M. Harju, J.P. Mudd, J.J. Wondzell, **S.L. Webb**, N.P. Gould, J.E. Hess, and J.B. Winstead. 2013. Ecosystem-level dynamics of soil-vegetation features with implications for conserving a narrowly endemic reptile. *Landscape Ecology* 28:1371–1385.
- 32) **Webb, S.L.**, M.R. Dzialak, K.L. Kosciuch, and J.B. Winstead. 2013. Winter resource selection by mule deer on the Wyoming-Colorado border prior to wind energy development. *Rangeland Ecology and Management* 66:419–427.
- 31) Dzialak, M.R., **S.L. Webb**, S.M. Harju, C.V. Olson, J.B. Winstead, and L.D. Hayden-Wing. 2013. Greater sage-grouse and severe winter conditions: identifying habitat for conservation. *Rangeland Ecology and Management* 66:10–18.
- 30) Haines, A.M., D. Elledge, L.K. Wilsing, M. Grabe, M.D. Barske, N. Burke, and **S.L. Webb**. 2012. Spatially-explicit analysis of poaching activity as a conservation management tool. *Wildlife Society Bulletin* 36:685–692.
- 29) Dzialak, M.R., C.V. Olson, S.M. Harju, **S.L. Webb**, and J.B. Winstead. 2012. Temporal and hierarchical spatial components of animal occurrence: conserving seasonal habitat for greater sage-grouse. *EcoSphere* 3(4):30.
- 28) **Webb, S.L.**, C.V. Olson, M.R. Dzialak, S.M. Harju, J.B. Winstead, and D. Lockman. 2012. Landscape features and weather influence nest survival of a sensitive ground-nesting bird, the greater sage-grouse, in human altered environments. *Ecological Processes* 1(4). DOI: 10.1186/2192-1709-1-4.
- 27) **Webb, S.L.**, S. Demarais, B.K. Strickland, R.W. DeYoung, B.P. Kinghorn, and K.L. Gee. 2012. Effects of selective harvest on antler size in white-tailed deer: a modeling approach. *Journal of Wildlife Management* 76:48–56.
- 26) Greiner, E.C., A.M. Fedynich, **S.L. Webb**, T.L. DeVault, and O.E. Rhodes, Jr. 2011. Hematozoa and a new haemoproteid species from Cathartidae (New World vultures) in South Carolina. *Journal of Parasitology* 97:1137–1139.
- 25) Dzialak, M.R., C.V. Olson, S.M. Harju, **S.L. Webb**, J.P. Mudd, J.B. Winstead, and L.D. Hayden-Wing. 2011. Identifying and prioritizing greater sage-grouse nesting and brood rearing habitat for conservation in human-modified landscapes. *PLoS ONE* 6(10): e26273. DOI:10.1371/journal.pone.0026273.
- 24) **Webb, S.L.**, M.R. Dzialak, S.M. Harju, J.J. Wondzell, L.D. Hayden-Wing, and J.B. Winstead. 2011. Effects of human activity on space use and movement patterns of female elk in Colorado. *Wildlife Society Bulletin* 35:261–269.

- 23) **Webb, S.L.**, M.R. Dzialak, R.G. Osborn, S.M. Harju, J. Wondzell, L.D. Hayden-Wing, and J.B. Winstead. 2011. Using pellet groups to assess response of elk and deer to roads and energy development. *Wildlife Biology in Practice* 7:32–40.
- 22) **Webb, S.L.**, J.A. Gaskamp, K.L. Gee, S. Demarais, and A.R. Little. 2011. Design of an underwater telemetry antenna for locating and retrieving submerged radiocollars. *Wildlife Society Bulletin* 35:101–104.
- 21) **Webb, S.L.**, M.R. Dzialak, S.M. Harju, L.D. Hayden-Wing, and J.B. Winstead. 2011. Influence of land development on home range use dynamics by female elk. *Wildlife Research* 38:163–167.
- 20) Dzialak, M.R., S.M. Harju, R.G. Osborn, J.J. Wondzell, L.D. Hayden-Wing, J.B. Winstead, and **S.L. Webb**. 2011. Prioritizing conservation of ungulate calving resources in multiple-use landscapes. *PLoS ONE* 6(1): e14597. DOI: 10.1371/journal.pone.0014597.
- 19) Dzialak, M.R., **S.L. Webb**, S.M. Harju, J.B. Winstead, J. Wondzell, J.P. Mudd, and L.D. Hayden-Wing. 2011. The spatial pattern of demographic performance as a component of sustainable landscape management and planning. *Landscape Ecology* 26:775–790.
- 18) **Webb, S.L.**, M.R. Dzialak, J.J. Wondzell, S.M. Harju, L.D. Hayden-Wing, and J.B. Winstead. 2011. Survival and cause-specific mortality of female Rocky Mountain elk exposed to human activity. *Population Ecology* 53:483–493.
- 17) **Webb, S.L.**, S. Demarais, and D.G. Hewitt. 2010. Size of home ranges and movements determine size and configuration of management units and potential spread of disease in white-tailed deer (*Odocoileus virginianus*). *Southwestern Naturalist* 55:488–492.
- 16) **Webb, S.L.**, K.L. Gee, B.K. Strickland, S. Demarais, and R.W. DeYoung. 2010. Measuring fine-scale white-tailed deer movements and environmental influences using GPS collars. *International Journal of Ecology* 2010, Article ID 459610, 12 pages.
- 15) **Webb, S.L.**, K.L. Gee, and G. Wang. 2010. Survival and fidelity of an enclosed white-tailed deer population using capture-recapture-reporting data. *Population Ecology* 52:81–88.
- 14) **Webb, S.L.**, S. Demarais, R.E. Zaiglin, M.T. Pollock, and D.G. Whittaker. 2010. Size and fidelity of home ranges of male white-tailed deer (*Odocoileus virginianus*) in southern Texas. *Southwestern Naturalist* 55:269–273.

- 13) **Webb, S.L.**, K.L. Gee, S. Demarais, B.K. Strickland, and R.W. DeYoung. 2009. Efficacy of a 15-strand high-tensile electric fence to control white-tailed deer movements. *Wildlife Biology in Practice* 5:45–57.
- 12) **Webb, S.L.**, S.K. Riffell, K.L. Gee, and S. Demarais. 2009. Using fractal analyses to characterize movement paths in white-tailed deer and response to spatial scale. *Journal of Mammalogy* 90:1210–1217.
- 11) **Webb, S.L.**, and S.E. Henke. 2008. Effects of military training exercises on Texas horned lizard, *Phrynosoma cornutum*, occurrence on Fort Hood, Texas. *Texas Journal of Agriculture and Natural Resources* 21:43–49.
- 10) **Webb, S.L.**, D.G. Hewitt, D. D. Marquardt, and M.W. Hellickson. 2008. Spatial distributions of adult male white-tailed deer relative to supplemental feed sites. *Texas Journal of Agriculture and Natural Resources* 21:32–42.
- 9) Zabransky, C.J., **S.L. Webb**, A.M. Fedynich, and A.L. Bryan, Jr. 2008. Blood parasites in wood storks (*Mycteria americana*) from the southeastern United States. *Journal of Parasitology* 94:1178–1179.
- 8) **Webb, S.L.**, J.S. Lewis, D.G. Hewitt, M.W. Hellickson, and F.C. Bryant. 2008. Assessing the helicopter and net-gun as a capture technique for white-tailed deer. *Journal of Wildlife Management* 72:310–314.
- 7) **Webb, S.L.**, D.G. Hewitt, and M.W. Hellickson. 2007. Effects of permanent water on home ranges and movements of adult male white-tailed deer in southern Texas. *Texas Journal of Science* 59:261–276.
- 6) **Webb, S.L.**, D.G. Hewitt, and M.W. Hellickson. 2007. Scale of management for mature male white-tailed deer as influenced by home range and movements. *Journal of Wildlife Management* 71:1507–1512.
- 5) **Webb, S.L.**, D.G. Hewitt, and M.W. Hellickson. 2007. Survival and cause-specific mortality of mature male white-tailed deer. *Journal of Wildlife Management* 71:555–558.
- 4) **Webb, S.L.**, C.J. Zabransky, R.S. Lyons, and D.G. Hewitt. 2006. Water quality and summer use of sources of water in Texas. *Southwestern Naturalist* 51:368–375.
- 3) **Webb, S.L.**, A.M. Fedynich, S.K. Yeltatzie, T.L. DeVault, and A. Rhodes. 2005. Survey of blood parasites in turkey vultures and black vultures from South Carolina. *Southeastern Naturalist* 4:355–360.
- 2) **Webb, S.L.**, and S.E. Henke. 2003. Defensive strategies of Texas horned lizards (*Phrynosoma cornutum*) against red imported fire ants. *Herpetological Review* 34:327–328.

- 1) **Webb, S.L.**, S.E. Henke, C. Barrera, and J. Nelson. 2001. Efficacy of rhodamine b for marking feces in white-tailed deer. *Texas Journal of Agriculture and Natural Resources* 14:91–98.

BOOK REVIEWS

*Denotes invited review

- 9) **Webb, S.L.** 2021. Sampling Theory for the Ecological and Natural Resource Sciences. *Journal of Wildlife Management* 85:816–817.
- 8) **Webb, S.L.** 2020. An Editor’s Guide to Writing and Publishing Science. *Journal of Wildlife Management* 84:1018–1019.
- 7) **Webb, S.L.** 2020. Principles for Management of Fisheries and Wildlife: The Manager as Decision-Maker. *Journal of Wildlife Management* 84:1020–1021.
- 6) Street, G.M. and **S.L. Webb**. 2017. Animal Movement: Statistical Models for Telemetry Data. *Journal of Wildlife Management* 81:1522–1523.
- 5)* Little, A.R., and **S.L. Webb**. 2013. The Wildlife Techniques Manual: Management (Volume 2, 7th Edition) (N.J. Silvy, editor). *Journal of Wildlife Management* 77:1077–1078.
- 4) **Webb, S.L.** 2012. Fencing for Conservation: Restriction of Evolutionary Potential of a Riposte to Threatening Processes? (M.J. Somers, and M. Hayward, editors). *Journal of Wildlife Management* 76:1104–1105.
- 3) **Webb, S.L.**, and K.M. Webb. 2012. Plants of Central Texas Wetlands (S.B. Fleenor, and S.W. Taber, editors). *Western North American Naturalist* 72:127–128.
- 2) **Webb, S.L.** 2012. Biology and management of white-tailed deer (D.G. Hewitt, editor). *Journal of Wildlife Management* 76:220–221.
- 1)* **Webb, S.L.** 2010. Spatio-temporal complexity in ecological systems. *Ecology* 91:3747–3748.

BOOKS, BOOK CHAPTERS and OTHER

- 5) Felage, S., S. Mackenzie, W.S. Beatty, A. Boyce, and **S.L. Webb**. 2023. Remote Monitoring: Wildlife Telemetry. Pages ???-??? in L. Powell and J. Carroll, editors. *The Wildlife Techniques Manual*. 9th edition. Johns Hopkins University Press, Baltimore, Maryland, USA.

- 4) Perotto, H., J. Lombardi, E. Tanner, A.R. Little, and **S.L. Webb**. 2023. Techniques for Assessing Landscapes. Pages ???-??? in L. Powell and J. Carroll, editors. The Wildlife Techniques Manual. 9th edition. Johns Hopkins University Press, Baltimore, Maryland, USA.
- 3) Long, J.A., and **S.L. Webb**. 2023. Spatial Analysis of Wildlife Movement. Pages ???-??? in L. Powell and J. Carroll, editors. The Wildlife Techniques Manual. 9th edition. Johns Hopkins University Press, Baltimore, Maryland, USA.
- 2) Haines, A.M., **S.L. Webb**, and J.R. Wallace. 2021. Conservation Forensics: The Intersection of Wildlife Crime, Forensics and Conservation. Pages 125–146 in Susan Underkoffler and Hayley R. Adams, editors. Wildlife Biodiversity Conservation: Multidisciplinary and Forensic Approaches, Springer Nature, Switzerland.
- 1) **Webb, S.L.** 2018. Pecan Loss Calculator. Noble Research Institute, Ardmore, OK. <https://nobleapps.noble.org/agcalculators/calculators/pecanloss>

PUBLISHED DATASETS

- 2) Harju, S.M., C.V. Olson, J.E. Hess, and **S.L. Webb**. 2021. Isotopic analysis reveals landscape patterns in the diet of a subsidized predator, the common raven. Ecological Solutions and Evidence 2:e12100. Dryad, Dataset: <https://doi.org/10.5061/dryad.47d7wm3dk>.
- 1) Cove, M.V., et al. 2021. SNAPSHOT USA 2019: a coordinated national camera trap survey of the United States. Ecology 102(6):e03353. Dataset: <https://esajournals.onlinelibrary.wiley.com/action/downloadSupplement?doi=10.1002%2Fecy.3353&file=ecy3353-sup-0001-DataS1.zip>

EDITORSHIP and PEER REVIEW

Editorship:

Book Review Editor, *Journal of Wildlife Management* (17 September 2013 to Present)

-Number of book reviews handled: 151

Associate Editor, *Rangeland Ecology and Management* (26 October 2015 to 31 October 2018)

-Manuscripts handled as AE: 24

Ad Hoc Book Review Editor, Texas Chapter of The Wildlife Society

-Number of book reviews handled: 5

Consulting Editor, *Wildlife Monographs*

-Number of monographs: 1

Peer-Reviewer (number of reviews in parentheses; $n = 37$ journals):

Animal Biotelemetry (1)

American Midland Naturalist (1)

Animal Conservation (1)

Basic and Applied Ecology (1)
 Biological Conservation (1)
 BMC Ecology (1)
 Canadian Wildlife Biology and Management (1)
 Crop Protection (1)
 Crop Science (1)
 Diversity and Distributions (1)
 Ecological Applications (1)
 Ecological Modelling (1)
 Ecosphere (4)
 European Journal of Wildlife Research (1)
 Food Webs (1)
 Forest Ecology and Management (1)
 Herpetology Notes (1)
 Human-Wildlife Interactions (2)
 International Journal for Biotechnology and Molecular Biology Research (1)
 Journal of Mammalogy (1)
 Journal of the Southeastern Association of Fish and Wildlife Agencies (1)
 Journal of Wildlife Management (15)
 Landscape and Urban Planning (1)
 Landscape Ecology (1)
 Mammalian Species (1)
 Pest Management Science (1)
 PLoS ONE (3)
 Population Ecology (1)
 Southeastern Naturalist (1)
 Sustainability (1)
 The Condor: Ornithological Applications (1)
 The Prairie Naturalist (1)
 Ursus (1)
 Wildlife Biology (2)
 Wildlife Monographs (1)
 Wildlife Research (1)
 Wildlife Society Bulletin (8)

Grant Reviewer:

National Geographic Society (1)
 HATCH Grant, Mississippi Agriculture and Forestry Experiment Station, Forest and Wildlife
 Research Center, Mississippi State University (1)

PATENTS

Method and system for estimating antler, horn, and pronghorn size of an animal. S. Demarais,
 B.K. Strickland, J.J. Flinn, and **S.L. Webb**. U.S. patent number: 8,483,446 (Pub. Date:
 July 9, 2013).

ACADEMIC SERVICEGraduate Committees (as member)

Zoochory structures post-disturbance vegetation assemblages. David Mason (Ph.D. Student), Department of Wildlife Ecology and Conservation, University of Florida.

Disentangling the effects of mass mortality events on soil food webs and arthropods. Abby Jones (Ph.D. Student), Department of Biological Sciences, Mississippi State University.

Spatial Epidemiological Disease Spread Models at the Wildlife-Livestock-Human Interface. Karla Rascon-Garcia (Ph.D. Student), Department of Medicine and Epidemiology, University of California-Davis.

Thinking Like a Mountain” to Improve Animal Production Systems: Ecology, Energy Budgets, and Mechanistic Models. Ira Parsons (Ph.D. student), Department of Wildlife, Fisheries and Aquaculture, Mississippi State University.

*Using spatial methods to analyse anthropogenic predation risk and movement ecology of white-tailed deer (*Odocoileus virginianus*).* Rhiannon Kirton (M.S. Student), Department of Geography, Western University.

Season of prescribed burn influences temporal forage nutrient characteristics. Clark Roberts (M.S., December 2021), Department of Natural Resources Ecology and Management, Oklahoma State University.

Identifying and prioritizing wild pig use of pecan orchards: implications on damage and depredation. Kelly Boyer (M.S. student), Department of Natural Resource Ecology and Management, Oklahoma State University.

Social structure and cohesiveness of GPS tracked wild pigs in the southeastern United States. Jack McIlraith (M.S., August 2021), Department of Geography, Western University.

Behavior of Hunters: Effects on Deer Observability and Risk. Alyssa Meier (M.S., August 2021), Department of Biology, University of Nebraska-Kearney.

*Seroprevalence of *Neospora caninum* in wild pigs (*Sus scrofa*) population in Oklahoma.* Katie Haydett (M.S., August 2018), Texas Institute of Environmental and Human Health, Texas Tech University.

Mosquito surveillance and tools to aid in intelligent vector management. Steve Peper (Ph.D., August 2018), Texas Institute of Environmental and Human Health, Texas Tech University.

The impact of movement, behavior, and risk avoidance on survival rates of white-tailed deer. Jacob M. Haus (Ph.D., December 2017), Department of Entomology and Wildlife Ecology, University of Delaware.

Graduate Students (as collaborator/not serving on graduate committee)

Influence of soil organic carbon on grazing land soil dynamic properties and plant productivity indicators in the southern Great Plains. D. Jeff Goodwin (Ph.D. student), Caesar Kleberg Wildlife Research Institute, Texas A&M University-Kingsville.

*Genetic and Genomic Investigation of the Social Structure and Mating Strategies in Invasive Wild Pigs (*Sus scrofa*).* Chelsea Titus (M.S. Student), Warnell School of Forestry and Natural Resources, University of Georgia.

Pig behavior, space use and resource utilization: coupling GPS collars with accelerometers. Jane Dentinger (M.S., December 2018), Department of Wildlife, Fisheries and Aquaculture, Mississippi State University.

Impacts of human hunting on spatial behavior of white-tailed deer. Sierra Marantz (M.S., August 2015), School of Geography and Sustainable Development, University of St. Andrews.

Undergraduate Research Advisement

Long-term Effects of Woody Plant Encroachment on Rangeland Productivity: Implications on Grazeable Acres and Wildlife Habitat. Noble Scholar in Plant Science, Noble Research Institute. Project director: S.L. Webb. *Funded; program cancelled due to Covid-19.

Using cattle video collars to study behavior and foraging. Camille Carey, Lloyd Noble Scholar in Agriculture, Noble Research Institute. Project director: S.L. Webb.

Insect and pollinator surveys across rangelands and agroecosystems. Camille Carey, Lloyd Noble Scholar in Agriculture, Noble Research Institute. Project directors: S.L. Webb and W. Chaney.

Developing detection functions for songbird surveys using bioacoustics monitoring devices. Kathryn Burton and Madison Midgley, undergraduate research project, Tarleton State University. Project directors: S.L. Webb, M. Proctor, and H.A. Mathewson.

Comparison of human observers and bioacoustics monitors for northern bobwhite. Creston Sledge, Lloyd Noble Scholar in Agriculture, Noble Research Institute. Project directors: S.L. Webb, M. Proctor, and M. Porter.

Song of the bobwhite quail: the call that changed the nation. Undergraduate students: Brad Swain, Ramsey Bissex, Casey Hale, and Josephine Cornelius, Texas A&M University. Advisors: B. Gooch and S.L. Webb.

Sensor analytics and wireless signaling for pecan weevil traps. Undergraduate students: Austin Akerley, Daniel Gerthe and Andres Gonzales, Texas A&M University. Advisors: B. Gooch, S.L. Webb, and C. Rohla.

Photographic diagnosis of pecan leaf disease. Undergraduate student: Harrison Froeschke, Texas A&M University. Advisors: B. Gooch, S.L. Webb, and C. Rohla.

Analysis of water quality at wildlife watering facilities during summer (Published). Undergraduate student: Rebbecca S. Lyons, Texas A&M University-Kingsville.

Water use by free-ranging wildlife in south Texas during summer (Published). Undergraduate student: Cody J. Zabransky, Texas A&M University-Kingsville.

Supplemental feed consumption by white-tailed deer as influenced by environmental conditions. Undergraduate student: Rebecca Miller, Texas A&M University-Kingsville.

Deer social behaviors at wildlife watering sources in south Texas. Undergraduate student: Tracie Swetlick, Texas A&M University-Kingsville.

Blood parasites in wood storks from the southeastern United States (Published). Undergraduate student: Cody J. Zabransky, Texas A&M University-Kingsville.

MEMBERSHIP and SERVICE (Past and Present)

The Wildlife Society (1997-Present)

- Book Review Editor, *Journal of Wildlife Management* (Sept. 2013-Present)
- Charter Member, *The 1,000* (2015)
- Sustaining Donor, *The 1,000* (2015-Present)
- Nominated for TWS Fellow (2017, 2021)
- Spatial Ecology and Telemetry Working Group (2008-Present)
 - Awards Committee (2012-2013)
- Biometrics Working Group (2012-Present)
- Invasive Species Working Group (2019-Present)
- Drone Working Group (2020-Present)
- Nutritional Ecology Working Group (2020-Present)
- Rangeland Wildlife Working Group (2020-Present)
- Wildlife Damage Working Group (2020-Present)
- Wildlife Diseases Working Group (2020-Present)
- Student Professional Development Working Group (2007)
- Celebrating Our Wildlife Conservation Heritage (C.O.W.C.H.) interviewer

Texas Chapter of The Wildlife Society (1998-Present)

- Donor (2015-Present)
- Co-chair: Publication Awards (2019/2020, 2020/2021)

- Committee Member: Student Affairs, Student Poster Judge (2018/2019)
- Committee Member: Student Affairs, Student Chapter of the Year (2018/2019)
- Committee Member: Clarence Cottam Award (2017/2018)
- Chair: Scholarships (2016/2017)
- Chair: Publication Awards (2014/2015, 2015/2016)
- Committee Member: Student Affairs (2003, 2007)
- Committee Member: Scholarship (2007, 2008)
- Committee Member: Local Arrangements (2002)
- Moderator: Conservation of Communities, Ecosystems, and Landscapes Session (2006)
- Moderator: Ecology and Management of White-winged Dove Session (2005)
- Moderator: Ecology and Conservation of Mammals Session (2004)

Oklahoma Chapter of The Wildlife Society (2009, 2012-2021)

- Awards Committee (Member/Judge; 2012-2014)

Society for Range Management (2019-Present)

- Associate Editor, Rangeland Ecology and Management (Oct. 2015-2018)
- Oklahoma Section of SRM (2019-2021)
- Texas Section of SRM (2019-Present)

Ecological Society of America (2015; 2019-Present)

- Certified Senior Ecologist (06/2021)
- Applied Ecology Section
- Open Science Section
- Rangeland Ecology Section
- Statistical Ecology Section

British Ecological Society (2016-Present)

International Society of Zoological Sciences (2013-Present)

National Deer Association (2002-Present; formerly Quality Deer Management Association)

Boone and Crockett Club (2011-Present)

Texas Wildlife Association

- Associate Member (2019-Present)
- Friend of TWA Member (1997-2008; 2015-2019)
- Author (Noble Research Institute column; 2020-Present)

U.S. Regional Association of the International Association of Landscape Ecologists (2014-2021)

American Society of Mammalogists (2015-2021)

Animal Behavior Society (2016-2021)

Quail Forever (2021)

Rocky Mountain Elk Foundation (2009-2013; 2018-2021)

Geoscience Information Society (2014)

International Society for Ecological Modelling (2012-2013)

Texas A&M University-Kingsville Student Chapter of The Wildlife Society (1997-2005)

-President (2001)

-Vice President (2000)

-Teaming with Wildlife Letter Writing Campaign Award (1998)

-The Wildlife Society Student Chapter of the Year Award (1998, 2001 & 2005)

-Texas Chapter of The Wildlife Society Student Chapter of the Year Award
(2002, 2003, 2005 & 2006)

-Texas Wildlife Association Professional Development Award (2005)

-Fundraiser (>\$10,000; 1998-2001)

Mississippi Magnolia Records Program

-Official record book scorer (2006-2009)

Southeastern Natural Resources Graduate Student Symposium (2008)

-Judge, Graduate Student Oral Presentation Competition

Southwestern Association of Naturalists (2002-2008)

Houston Safari Club (2003-2004)

Texas A&M University-Kingsville Student Chapter of Ducks Unlimited (2003-2005)

Mule Deer Foundation (2004-2006)