

Brian Pierce

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Education

Ph.D. - Wildlife and Fisheries Sciences. Texas A&M University
M.S. - Wildlife Biology. Southwest Texas State University
B.S. - Biology. University of Texas at San Antonio

Appointments

Associate Director, Texas A&M Institute of Renewable Natural Resources, 2014-present
Senior Research Associate, Research Imaging Center, University of Texas Health Science Center at San Antonio
Johnston Atoll Chemical Agent Disposal System Air Monitoring Supervisor, Southwest Research Institute

Selected Grants and Awards

Natural Resources Management, Burrowing Owl, Management, Species Falcon, Bald Eagle, Raptors, Monitor Lake Holloman Wetlands, Management, Species Neotropical Migrant Birds, HAFB, NM. (\$241,495).
Natural Resources Support for Cannon Air Force Base and Melrose Air Force Range, New Mexico. (\$146,920).
Distribution, Abundance, and Activity of Bats at Texas Winter Roost Sites Prior to the Arrival of White-Nose Syndrome. Texas Parks and Wildlife Department. (\$754,501)
Natural Resources Support Cannon AFB and Melrose AFB, New Mexico. DOD/USACE (\$255,780)
Natural Resource Assistance Support to Holloman Air Force Base, New Mexico. DOD/USACE (\$162,500)
A scalar approach to quail population and environmental data in the Rolling Plains of Texas: A continuation with data from the La Niña years. Texas A&M AgriLife Extension. (\$127,687)

Selected Publications

Pierce, B.L., S. J. Turner, K. D. Demere, C. L. Gonzalez, I. D. Parker, W. A. Ryberg and R. R. Lopez. XXXX. Relative efficacy of time-lapse acoustic monitoring for rare species. *Wildlife Biology*. (in Preparation).
Pierce, B.L., S. J. Turner, K. D. Demere, C. L. Gonzalez, I. D. Parker, W. A. Ryberg and R. R. Lopez. XXXX. Efficacy of a time-lapse camera trapping for species monitoring. *Wildlife Biology*. (in Preparation).

- Pierce, B.L.**, T.A. Roster, M.C. Frisbie, C.D. Mason & J.A. Roberson. XXXX. A multivariate comparison of shotshell patterns for forensic investigations. *Journal of Forensic Sciences*. (in Preparation)
- Pierce, B.L.**, J. M. Tomeček, and M. J. Peterson. XXXX. Strengthening Citizen Science: An Example Using Bobwhite Quail. *Wildlife Biology*. (in Preparation).
- Pierce, B.L.**, I. D. Parker, R. R. Lopez, and N. J. Silvy. XXXX. Anthropogenic land use change as a predictor of habitat loss for northern bobwhite quail. (in Preparation).
- Cobb, F., F. Smith, **B. L. Pierce**, and S. Stuver. 201X. Invasive Grass Species Distributions at Well Pad Sites in South Texas. *Journal of Rangeland Ecology and Management* XX:XXX-XXX (Submitted 10 July 2017).
- Caldwell, J. W., N. J. Silvy, R. R. Lopez, F. E. Smeins, M. E. Morrow, **B. L. Pierce**, and I. D. Parker. 2017. "Use of Extinguish Plus™ to Reduce Red Imported Fire Ants and Increase Northern Bobwhite Abundance, National Quail Symposium. *Proceedings: Vol. 8* , Article 87.
- Tomeček, J. M., **B. L. Pierce**, Kelly S. Reyna, and M. J. Peterson. 2017. Inadequate thermal refugia constrains landscape habitability for a grassland bird species. *PeerJ* 5:e3709 (Accepted 28 July 2017).
- Demere, K. D., M. B. Meierhofer, M. M. Morrison, **B. L. Pierce**, J. M. Szewzak, J. W. Evans, and L. K. Ammerman. 2017. Noteworthy records for six species of bats from 13 counties and the first voucher specimens from sites with *Pseudogymnoascus destructans*. *Occasional Papers, Museum of Texas Tech University* 315:1-12
- Adams, C.S., W. A. Ryberg, T. J. Hibbitts, **B. L. Pierce**, J. B. Pierce, and D. C. Rudolph. 2017. Evaluating effectiveness and cost of time-lapse triggered camera trapping techniques to detect terrestrial squamate diversity. *Herpetological Review* 48(1):44-48.
- Marquardt, D. D., L. Scroggs, **B. L. Pierce**, K. L. Skow, K. D. Mote, and B. A. Collier. 2017. Assessment of GPS transmitters for use on Northern Bobwhite Quail. *Journal of the Southeastern Association of Fish and Wildlife Agencies* 4:100-108.
- Tomeček, J. M., **B. L. Pierce**, and M. J. Peterson. 2015. Quail abundance, hunter effort, and harvest of two Texas quail species: implications for hunting management. *Wildlife Biology* 21:303-311 (DOI: 10.2981/wlb.00075).
- Pierce, B.L.**, T.A. Roster, M.C. Frisbie, C.D. Mason & J.A. Roberson. 2015. A comparison of lead and steel shot loads for harvesting mourning doves. *Wildlife Society Bulletin* 39:103-115 (DOI: 10.1002/wsb.504).
- Anderson, R., A. Engeling, A. Grones, R. R. Lopez, **B. L. Pierce**, K. Skow, and T. Snelgrove. 2014. Status update and trends of Texas rural working lands. *Texas Land Trends* 1(1):1-13. Texas A&M Institute of Renewable Natural Resources, College Station, Texas. URL: <http://txlandtrends.org>.
- Pierce, B. L.**, R. R. Lopez, and N. J. Silvy. 2012. Estimating animal abundance. Pages 284-310 in N. J. Silvy, ed. *The wildlife techniques manual: Management*. 7th Edition. The Wildlife Society, Bethesda, Maryland, USA.
- Schmidt, P. M., R. R. Lopez, and **B. L. Pierce**. 2007. Estimating free-roaming cat densities in urban areas: comparison of mark-resight and distance sampling. *Wildlife Biology* 3:18-27.
- Roberts, C. W., **B. L. Pierce**, A. W. Braden, R. R. Lopez, N. J. Silvy, P. A. Frank, and D. Ransom, Jr. 2006. Comparison of camera and road survey estimates for white-tailed deer. *Journal of Wildlife Management*. 70:263-267.
- Lopez, R. R., D. Ransom, Jr., **B. L. Pierce**, and N. J. Silvy. 2005. A quantitative technique for determining nest-site fidelity. *Texas Journal of Science*. 57:67-74.
- Lopez, R. R., N. J. Silvy, **B. L. Pierce**, P. A. Frank, M. T. Wilson, and K. M. Burke. 2004. Population density of the endangered Florida Key deer. *Journal of Wildlife Management* 68:570-575.
- Lopez, R. R., N. J. Silvy, P. A. Frank, and **B. L. Pierce**. 2003. Effects of supplemental feeding of Key deer behavior in urban areas. *Florida Scientist*. 66:267-272.

- Williams, R. L., Siegle, R. L., Salman, M., Ollom, C. M., Cortinas, N. S., Simmons, A. M., **Pierce, B. L.**, OrangKhadivi, K., and Chaudhuri, A. R. 1996. Substrate modification of melanin polymers to increase effectiveness of contrast agents for magnetic resonance imaging. *Academic Radiology* 3:S365-S369.
- Orang-Khadivi, K., **Pierce, B. L.**, Ollom, C. M., Floyd, L. J., Siegle, R. L., and Williams, R. F. 1994. New Magnetic Resonance Imaging Techniques for the Detection of Breast Cancer. *Breast Cancer Research and Treatment* 32:119-135.
- Williams, R. L., Siegle, R. L., **Pierce, B. L.**, and Floyd, L. J. 1994. Analogs of Synthetic Melanin Polymers for Specific Imaging Applications. *Investigative Radiology* 29:S116-S119.

Selected Book Chapters

- Pierce, B. L.**, R. R. Lopez, and N. J. Silvy. 2012. Estimating animal abundance. Pages 284-310 in N. J. Silvy, ed. *The wildlife techniques manual: Management*. 7th Edition. The Wildlife Society, Bethesda, Maryland, USA.