

## **BART M. BALLARD**

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### **EDUCATION**

Doctor of Philosophy in Wildlife Science Texas A&M University-Kingsville and Texas A&M University, College Station	2001
Master of Science in Range and Wildlife Management Texas A&I University, Caesar Kleberg Wildlife Research Institute	1993
Bachelor of Science in Wildlife Biology Iowa State University, Department of Animal Ecology	1990

### **EMPLOYMENT HISTORY**

C. Berdon and Rolanette Lawrence Endowed Chair in Waterfowl Research Caesar Kleberg Wildlife Research Institute & Department of Rangeland and Wildlife Sciences, Texas A&M University-Kingsville, Kingsville, Texas	2014–Present
Professor Caesar Kleberg Wildlife Research Institute & Department of Animal, Rangeland, and Wildlife Sciences, Texas A&M University-Kingsville, Kingsville, Texas	2012–2014
Associate Professor Caesar Kleberg Wildlife Research Institute & Department of Animal, Rangeland, and Wildlife Sciences, Texas A&M University-Kingsville, Kingsville, Texas	2007–2012
Assistant Professor Caesar Kleberg Wildlife Research Institute & Department of Animal, Rangeland and Wildlife Sciences, Texas A&M University-Kingsville, Kingsville, Texas	2002–2007
Associate Research Scientist Caesar Kleberg Wildlife Research Institute Texas A&M University-Kingsville, Kingsville, Texas	1999–2002

**COURSES TAUGHT AT TEXAS A&M UNIVERSITY-KINGSVILLE**Undergraduate courses

## • Range and Wildlife Ecology (RWSC 1301)

General overview of basic range and wildlife ecological concepts including natural selection, food webs, trophic levels, competition, predation, niche theory, life-history patterns, and succession.

## • Ecology and Management of Game Birds (RWSC 3390)

This course is designed to provide students an understanding of game bird ecology and the management strategies employed by private, state, and federal resource managers. It provides an opportunity for innovative thinking and participation in group discussion, and is designed to allow students to develop verbal skills as well as skills in the critical review of literature.

## • Wildlife Management Techniques (RWSC 3310)

Field and laboratory techniques used in wildlife management and research: age and gender determination, marking, capture, monitoring, disease surveys, food habits and nutritional analyses, habitat assessment and population estimation.

## • Wetlands Ecology and Management (RWSC 4380)

This course focuses on the ecology and management of North American wetlands. Topics that are covered include unique characteristics of wetlands, wetland classification, the role of hydrology, biological adaptations to wetlands, wetland management and restoration, the functional roles of wetlands and their importance to wildlife.

Graduate courses

## • Avian Community Ecology (WSCI 6396)

This seminar/discussion course focuses on evolutionary concepts that shape avian communities. Theoretical literature on topics including mating systems, reproductive strategies, foraging adaptations, brood parasitism, migration, and the influences of climate change and urbanization will be discussed.

## • Waterfowl Ecology and Management (WSCI 6382)

Studies of the theoretical ecology and applied management of waterfowl with emphasis on North America. Contents include ecogeography, migration, wetland habitats, reproduction, feeding ecology and energetics, and population and harvest management.

## NON-UNIVERSITY TEACHING ASSIGNMENTS

### Instructor for Wildlife Education and Sustainability Training Program (2019-2021)

The goal of this multi-institutional and multi-disciplinary project is to 1) develop a state and national standards aligned curriculum of experiential lessons focused on wildlife ecology and management for use in post-secondary agriculture teacher preparation; 2) conduct 8, 4-day professional development workshops to provide an experiential learning experience for pre-service teachers while training them in use of the curriculum; 3) provide leadership, scholarships, and professional development for trained pre-service teachers to present a lesson-based training workshop at a state teacher conference; and 4) conduct research on the program's effectiveness.

### Instructor for Conservation Leaders for Tomorrow (2013-2017)

The program is a rigorous and highly interactive 4-day classroom/field exercise workshop designed to supplement the education of university students and agency personnel committed to degree programs and careers in natural resource conservation.

### Instructor for American Wilderness Leadership School (2014-2017)

The program offers primary and secondary school teachers hands-on lessons focused around the North American Model of Wildlife Conservation as-well-as engaging take home lessons for integrating ecology and conservation into the classroom. Each session is 8-days and involves 12 hours of classroom instruction (lecture/discussion), 20 hours of hands-on instruction, and 2 full days of field trips. Class sizes ranged from 19-45 and participants were school teachers from all over the U.S. and Canada.

### Instructor for Texas Chapter of The Wildlife Society Conservation Camp (2007, 2009)

The goal of the Wildlife Conservation Camp is to provide a fun experience for high school children to learn about nature, ecology, and wildlife in a healthy, secure setting. Regardless of career interests of the campers, they explore a "whole-ecology" approach to learning about natural resources. Hands-on wildlife and conservation-based activities allow participants to experience how everything in nature, including humans, are interconnected.

### Invited Instructor for Becoming an Outdoor Woman (2005)

The goal of this program is to provide an atmosphere where women feel comfortable learning new skills associated with hunting, fishing, and other outdoor activities, in a supportive and non-threatening environment.

### GRADUATE STUDENTS CHAIRED

<b>Student Name</b>	<b>Degree</b>	<b>Project Title</b>	<b>Graduation Date</b>
Richard Finger	M.S.	Reproductive ecology of mottled ducks in mid-coastal Texas	2002
J. Dale James	Ph.D.	Utilization of shoalgrass resources and nutritional ecology of wintering redheads in the Laguna Madre of Texas	2006
Elizabeth M. Bates	M.S.	Genetic diversity and population structure of reddish egrets along the lower Texas coast	2007
J. Tye Anderson	M.S.	Survival, habitat use, and movements of female northern pintails wintering along the Texas coast	2008
Arlene J. Arnold	M.S.	Chronology and terrestrial habitat use by migrating birds in southern Texas	2009
Owen N. Fitzsimmons	M.S.	Ecological implications of marsh management to wetland birds	2010
Amy J. Hanna	Ph.D.	Dynamics of wading bird colonies along the Texas coast	2011
Elizabeth M. Bates	Ph.D.	Foraging ecology of reddish egrets	2011
Erin M. Wehland	Ph.D.	Seasonal survival and molt site fidelity of Western Gulf Coast mottled ducks	2012
Suzanne Contreras	Ph.D.	Assessing the dynamics of bird migration along the lower Texas coast using radar	2013
Michael Mitchell	M.S.	Waterfowl foraging values of freshwater wetlands in southern Texas	2013
Lianne Koczur	M.S.	Reproductive ecology of the western Gulf Coast population of American oystercatchers	2013
Corey Lange	M.S.	Influences of wind energy development on redheads in southern Texas.	2014

**Graduate Students Chaired (Continued)**

<b>Student Name</b>	<b>Degree</b>	<b>Project Title</b>	<b>Graduation Date</b>
Nathanial Huck	M.S.	Relationships between diet and habitat for northern pintails.	2014
Anastasia Krainyk	Ph.D.	A decision support tool for mottled duck management in the Western Gulf Coast	2016
Taylor Yerrick	M.S.	Evaluating a radar system for monitoring bird migration	2016
Matthew Garrick	M.S.	Nutrient reserve dynamics of female northern pintails	2016
Lianne Koczur	Ph.D.	Ecology of adult reddish egrets breeding in Texas	2017
Emily Wells	M.S.	Habitat use by sandhill cranes along the Texas coast	2018
Samantha Wolfe	M.S.	Habitat use by wintering greater white-fronted geese in Texas	2018
Jay VonBank	Ph.D.	Movement ecology of greater white-fronted geese	2020
David Newstead	Ph.D.	Migratory connectivity of populations of red knots in North America	2022
Mikayla House	M.S.	Development of a spatial-temporal model of foraging habitat for shorebirds in the Laguna Madre, Texas	Current student
Georgina Eccles	Ph.D.	Investigating spring migration strategies in northern pintails	Current student
Jason Loghry	M.S.	Spring migration ecology of shorebirds in the Laguna Madre, Texas	Current student
Matti Bradshaw	M.S.	Conspecific brood parasitism in black-bellied whistling-ducks	Current student
Tara Rodkey	M.S.	Stopover ecology of buff-breasted sandpipers along the Texas Coast	2023
Joseph McGovern	M.S.	Response of female northern pintails to thermal variation during migration	Current student

Emma Weber	M.S.	Use of autonomous recording units to survey waterfowl	Current student
Javier Segovia	M.S.	Prevalence of avian influenza in cackling geese wintering in the Southern High plains	Current student

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## UNDERGRADUATE STUDENT RESEARCH EXPERIENCE

Undergraduate students that I involved in my research program (names in bold went on to graduate school):

**Jennifer Garrett** – 2002

Michael Ortega – 2002

**Jason Estrella** – 2002, 2003

**Owen Fitzsimmons** – 2002, 2003

Brian Koch – 2002, 2003

**John Arrendondo** – 2003

Russ Hawes – 2003

Jonathan Dodds – 2003

Paul Batchelder – 2004

Dustin Lowe – 2004

Walter Clore – 2005

**Todd Sliger** – 2005

**Charity Vaughn** – 2005

Taryn Balke – 2010

Deanna Drake – 2010

Megan Kolbe – 2010

David McBee – 2011, 2012

Ryan McCarty – 2011

James Prukop – 2011

John Cuellar – 2012

**Angie Arrendondo** – 2013

Vincent Rolando – 2013

**Aidan Flores** – 2016

**Taylor Shirley** – 2017

Hannah Schwartz – 2017

Wes Burns – 2017

Felipe Guerra – 2017

**Jason Loghry** – 2018, 2019

Joshua Vasquez – 2019

Mikayla Youts – 2021

Ashley Garcia – 2021

Eve Schrader – 2021

**Fabian Jimenez** – 2021

Zenobia Rogers – 2021, 2022, 2023

Michael Kalisek – 2022

**Andres Rosales** – 2022, 2023

**Javier Segovia** – 2022, 2023

Brianna Garza – 2023, 2024

**REFEREED JOURNAL ARTICLES AND BOOK CHAPTERS** (*students that I advised are italicized*)

- VonBank, J. A., K. J. Kraai, D. P. Collins, P. T. Link, M. D. Weegman, L. Cao, and **B. M. Ballard**. 2024. In Press. Evidence of longitudinal differences in spring migration strategies of an Arctic-nesting goose. *Ecology and Evolution*.
- Basso, E., J. Ruiz, J. A. Linscott, N. R. Senner, M. W. Weegman, **B. M. Ballard**, and J. G. Navedo. 2024. Movement ecology during non-breeding season in a long-distance migratory shorebird: are space use and movement patterns sex-biased? *Behavioral Ecology and Sociobiology* 78:67 <https://doi.org/10.1007/s00265-024-03484-1>
- Clements, S., *J. P. Loghry*, **B. M. Ballard**, and M. D. Weegman. 2024. Habitat and environmental drivers of American avocet (*Recurvirostra americana*) energy expenditure at two sites within a conservation region. *Waterbirds*.
- Newstead, D. J.*, S. J. Dinsmore, **B. M. Ballard**, L. J. Niles, and J. Burger. 2024. Survival of red knots in the northern Gulf of Mexico. *Frontiers in Ecology and Evolution* 12:1375412. <https://doi.org/10.3389/fevo.2024.1375412>
- Schindler, A. R., A. D. Fox, C. K. Wikle, **B. M. Ballard**, A. J. Walsh, S. B. A. Kelly, L. Cao, L. R. Griffin, and M. D. Weegman. 2024. Energetic trade-offs in migration decision-making, reproductive effort and subsequent parental care in a long-distance migratory bird. *Proceedings Royal Society B* 291: 20232016. <https://doi.org/10.1098/rspb.2023.2016>
- Koczur, L. M.* and **B. M. Ballard**. 2023. Drivers of partial migration in the reddish egret, *Egretta rufescens*. *Journal of Avian Biology*. <https://doi.org/10.1111/jav.03133>
- VonBank, J. A., T. L. J. Schafer, S. A. Cunningham, M. D. Weegman, P. T. Link, K. J. Kraai, C. K. Wikle, D. P. Collins, L. Cao, and **B. M. Ballard**. 2023. Joint use of location and acceleration data reveals influences on transitions among habitats in wintering birds. *Scientific Reports* 13: 2132.
- Cunningham, S. A., T. L. J. Schafer, C. K. Wikle, J. A. VonBank, **B. M. Ballard**, L. Cao, S. Bearhop, A. D. Fox, G. M. Hilton, A. J. Walsh, L. R. Griffin, and M. D. Weegman. 2022. Time-varying effects of local weather on behavior and probability of breeding deferral in two Arctic-nesting goose populations. *Oecologia* 201: 369–383.
- VonBank, J. A., J. P. Vasquez, J. P. Loghry, K. J. Kraai, L. Cao, **B. M. Ballard**. 2022. Wetland use by greater white-fronted geese and spatial overlap with waterfowl conservation priority areas in Mexico. *Avian Conservation and Ecology* 17(2): 20
- Clements, S. J., J. P. Loghry, **B. M. Ballard**, and M. D. Weegman. 2022. Carry-over effects of weather and decision-making on nest success of a migratory shorebird. *Ecology and Evolution* 12: <https://doi.org/10.1002/ece3.9581>
- Linscott, J. A., J. G. Navedo, S. J. Clements, J. P. Loghry, J. Ruiz, **B. M. Ballard**, M. D. Weegman, and N. R. Senner. 2022. Compensation for wind drift prevails for a shorebird on a



long-distance, transoceanic flight. *Movement Ecology* 10:11 <https://doi.org/10.1186/s40462-022-00310-z>

Koczur, L. M., and **B. M. Ballard**. 2022. Migratory stopover sites used by Reddish Egrets: prioritization for conservation. *Avian Conservation and Ecology* 17(1):15. <https://doi.org/10.5751/ACE-01973-170115>

Clements, S. J., **B. M. Ballard**, G. R. Eccles, E. A. Sinnott, and M. D. Weegman. 2021. Trade-offs in performance of six lightweight automated tracking devices for birds. *Journal of Field Ornithology* 92:506–517.

Moon, J. A., S. E. Lehnen, K. L. Metzger, M. A. Squires, M. G. Brasher, B. C. Wilson, W. C. Conway, D. A. Haukos, B. E. Davis, F. C. Rohwer, E. M. Wehland, and **B. M. Ballard**. 2021. Projected impact of sea-level rise and urbanization on mottled duck (*Anas fulvigula*) habitat along the Gulf Coast of Louisiana and Texas through 2100. *Ecological Indicators* 132.

Wolfe, S. J., A. J. Arnold, J. T. Edwards, M. J. Schnupp, and **B. M. Ballard**. 2021. Habitat associations of landbirds in South Texas during migration. *Wilson Journal of Ornithology* 133:43–57.

**Ballard, B. M.**, C. J. Lange, J. D. James, B. C. Wilson, D. P. Collins, J. A. VonBank. 2021. Prioritizing conservation of coastal ponds for wintering redheads. *Journal of Wildlife Management* 85: 803–812.

VonBank, J. A., M. D. Weegman, P. T. Link, S. A. Cunningham, K. J. Kraai, D. P. Collins, and **B. M. Ballard**. 2021. Winter fidelity, movements, and energy expenditure of midcontinent greater white-fronted geese. *Movement Ecology* 9:2 <https://doi.org/10.1186/s40462-020-00236-4>

Schafer, T., C. K. Wikle, J. A. VonBank, **B. M. Ballard**, and M. D. Weegman. 2020. A Bayesian Markov model with Pólya-Gamma sampling for estimating individual behavior transition probabilities from accelerometer classifications. *Journal of Agriculture, Biological, and Environmental Statistics* 25: <https://doi.org/10.1007/s13253-020-00399-y>

Krainyk, A., L. M. Koczur, and **B. M. Ballard**. 2020. A spatial model for the beneficial use of dredge spoil: Creation and management of breeding habitat for reddish egrets in Texas. *Journal of Environmental Management* 260 (2020). <https://doi.org/10.1016/j.jenvman.2019.110022>

VonBank, J. A., D. A. Brandt, A. T. Pearse, D. B. Wester, and **B. M. Ballard**. 2019. Using morphological measurements to predict subspecies of mid-continent sandhill cranes. *Wildlife Society Bulletin* 43:737–744.

Koczur, L. M., M. C. Green, **B. M. Ballard**, P. E. Lowther, and R. T. Paul. 2020. Reddish Egret (*Egretta rufescens*), version 1.0. In *The Birds of the World* (P. G. Rodewald, Editor). Cornell Lab of Ornithology, Ithaca, NY, USA. <https://doi.org/10.2173/bow.redegr.01>

- Lange, C. J., D. P. Collins, K. L. Metzger, and **B. M. Ballard**. 2018. Predicting impacts of sea level rise on wintering redhead ducks along the lower Texas coast. *Global Ecology and Conservation* 16. <https://doi.org/10.1016/j.geco.2018e00481>
- Eversole, C. B., S. E. Henke, B. L. Turner, S. N. Glasscock, R. L. Powell, D. B. Wester, and **B. M. Ballard**. 2018. A theoretical population and harvest model for American alligators (*Alligator mississippiensis*). *Herpetological Monographs* 32: 22–33.
- Krainyk, A., R. S. Finger, **B. M. Ballard**, M. T. Merendino, D. B. Wester, and R. H. Terry. 2018. Habitat selection by mottled duck *Anas fulvigula* broods. *Wildfowl* 68: 104–122.
- Krainyk, A., **B. M. Ballard**, M. G. Brasher, B. C. Wilson, M. W. Parr, and C. K. Edwards. 2018. Decision Support Tool: Mottled Duck Habitat Management and Conservation in the Western Gulf Coast. *Journal of Environmental Management* 230: 43–52.
- Koczur, L. M., **B. M. Ballard**, M. C. Green, D. G. Hewitt, and S. E. Henke. 2018. Breeding ecology and habitat use of North America's rarest Ardeidae: the Reddish Egret *Egretta rufescens*. *Avian Conservation and Ecology* 13:10. <https://doi.org/10.5751/ACE-01258-130210>
- Lange, C. J., **B. M. Ballard**, D. P. Collins. 2018. Impacts of wind turbines on redheads in the Laguna Madre. *Journal of Wildlife Management* 82:531–537.
- Ballard, D. C., M. J. Garrick, **B. M. Ballard**, and A. M. Fedynich. 2018. Gizzard helminths in female northern pintails (*Anas acuta*) wintering along the Texas coast. *Journal of Parasitology* 104:289–291.
- Eversole, C. B., S. E. Henke, D. B. Wester, **B. M. Ballard**, R. L. Powell, and S. Glasscock. 2018. Spatial ecology and habitat utilization of American alligators in an urban-influenced ecosystem. *Journal of Urban Ecology* 2018: 1-9.
- Koczur, L. M., G. M. Kent, **B. M. Ballard**, K. D. Meyer, and M. C. Green. 2018. Space use and movements of adult reddish egrets (*Egretta rufescens*) during winter. *Waterbirds* 41:1–15.
- Lamb, J. S., D. J. Newstead, L. M. Koczur, **B. M. Ballard**, M. C. Green, and P. G. R. Jodice. 2018. A bridge between oceans: overland migration of marine birds in a wind energy corridor. *Journal of Avian Biology* 49:
- Koczur, L. M., D. Williford, R. W. DeYoung, and **B. M. Ballard**. 2017. Bringing Back the Dead: Genetic Data from Avian Carcasses. *Wildlife Society Bulletin* 41:796–803.
- Eversole, C. B., S. E. Henke, D. B. Wester, **B. M. Ballard**, and R. L. Powell. 2017. Testing variation in the relationship between cranial morphology and total body length in the American alligator. *Herpetological Review* 48:288-292.

- Koczur, L. M., B. M. Ballard, M. C. Green.* 2017. Survival of reddish egrets marked with satellite transmitters. *Endangered Species Research* 34:103-107.
- Contreras, S., B. M. Ballard, D. B. Wester, W. P. Kuvlesky, Jr., L. A. Brennan, M. L. Morrison, and K. Boydston.* 2017. High passage rates and different seasonal migration strategies of birds along the lower Texas coast. *International Journal of Biodiversity and Conservation* 9: 183–199.
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- Huck, N. R., B. M. Ballard, A. M. Fedynich, K. J. Kraai, and M. E. Castro.* 2016. Shot ingestion by wintering female northern pintails. *Journal of Wildlife Diseases* 52: 118–121.
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- Bates, E. M., L. M. Koczur, and B. M. Ballard.* 2015. Post fledging survival and dispersal of juvenile reddish egrets (*Egretta rufescens*). *Waterbirds* 38: 401–406.
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- Eversole, C. B., S. E. Henke, D. B. Wester, B. M. Ballard, and R. L. Powell.* 2015. Responses of American alligators (*Alligator mississippiensis*) to environmental conditions: implications for population and ecosystem monitoring. *Herpetologica* 71: 37–45.
- Koczur, L. M., A. E. Munters, S. A. Heath, B. M. Ballard, M. C. Green, S. J. Dinsmore, and F. Hernández.* 2014. Reproductive success of the American oystercatcher (*Haematopus palliatus*) in Texas. *Waterbirds* 37: 371–380.
- Eversole, C. B., S. E. Henke, B. M. Ballard, and R. L. Powell.* 2014. Duration of marking tags on American alligators (*Alligator mississippiensis*). *Herpetological Review* 45: 223–226.

- Turner, J. W., F. Hernandez, C. W. Boal, **B. M. Ballard**, F. C. Bryant, and D. B. Wester. 2014. Raptor abundance and northern bobwhite survival and habitat use. *Wildlife Society Bulletin* 38: 689–696.
- Mitchell, M. K., B. M. Ballard*, J. M. Visser, M. G. Brasher, and E. J. Redeker. 2014. Delineation of coastal marsh types along the central Texas coast. *Wetlands* 34: 653-660
- Bates, L. M. and B. M. Ballard*. 2014. Factors influencing behavior and success of foraging reddish egrets (*Egretta rufescens*). *Waterbirds* 37: 191–202.
- Scott, J. L., F. Hernandez, L. A. Brennan, **B. M. Ballard**, M. Janis, and N. D. Forrester. 2013. Population demographics of translocated northern bobwhites on fragmented habitat. *Wildlife Society Bulletin* 37: 168–176.
- Fitzsimmons, O.N., B. M. Ballard*, M. T. Merendino, G. A. Baldassarre, and K. M. Hartke. 2012. Implications of coastal wetland management to nonbreeding waterbirds in Texas. *Wetlands* 32: 1057–1066.
- Rollo, S. N., P. J. Ferro, M. J. Peterson, M. P. Ward, **B. M. Ballard**, and B. Lupiani. 2012. Role of non-migratory mottled ducks (*Anas Fulvigula*), sentinels for avian influenza surveillance? *Journal of Zoo and Wildlife Medicine* 43: 168–170.
- James, J. D., J. E. Thompson, and **B. M. Ballard**. 2012. Evidence of double brooding in black-bellied whistling-ducks. *Wilson Journal of Ornithology* 124: 183-185.
- Brazil, K. A., L. A. Brennan, F. Hernandez, **B. M. Ballard**, and F. C. Bryant. 2012. Order and chaos: northern bobwhite productivity and nest-habitat relationships in South Texas. *Bulletin of the Texas Ornithological Society* 45: 6–11.
- Ballard, B. M., J. D. James**, R. L. Bingham, M. J. Petrie, B. C. Wilson. 2010. Coastal pond use by redheads wintering in the Laguna Madre, Texas. *Wetlands* 30: 669–674.
- Bingham, R. L., L. A. Brennan, and **B. M. Ballard**. 2010. Discrepancies between Euclidean distance and compositional analysis of resource selection data with known parameters. *Journal of Wildlife Management* 74: 582–587.
- Bates, L. M., R. W. DeYoung, and B. M. Ballard*. 2009. Genetic diversity and population structure of reddish egrets along the Texas coast. *Waterbirds* 32: 430–436.
- J. T. McCloskey, J. E. Thompson, A. D. Tjelmeland, and **B. M. Ballard**. 2009. Body composition and gut morphology of migrating and wintering Wilson’s snipe. *Waterbirds* 32:96–105.
- J. T. McCloskey, J. E. Thompson, and **B. M. Ballard**. 2009. Diet composition of wintering Wilson’s snipe. *Wilson Journal of Ornithology* 121:434–439.

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- Brennan, L. A., **B. M. Ballard**, and W. P. Kuvlesky, Jr. 2008. Wind energy development, prescribed fire, and migratory land birds in the southeastern United States: breeding, stopover, and wintering habitat relationships. Proceedings of the Fourth International Partners in Flight Conference, pages 184–193.
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- Kuvlesky, W. P., Jr., L. A. Brennan, **B. M. Ballard**, T. A. Campbell, D. G. Hewitt, C. A. Deyoung, S. E. Henke, F. Hernandez, and F. C. Bryant. 2013. Managing Populations. Pages 299-322 *in* P. Krausman and J. Cain, editors, *Wildlife Management and Conservation: Contemporary Principles and Practices*. John Hopkins University Press, Baltimore, Maryland
- Ballard, B. M.** 2007. Linking waterfowl ecology and management: a Texas coast perspective. Pages 95-108 *in* T. E. Fulbright and D. G. Hewitt, editors. *Frontiers in Wildlife Science: Linking Ecological Theory and Management Applications*. CRC Press, Boca Raton, Florida.

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Ballard, B. M. 2019. Deadbeat birds: brood parasites. *Texas Wildlife*, October issue.

Ballard, B. M. 2018. Migratory birds and climate change. *Texas Wildlife*, October issue.

Loghry, J. and B. M. Ballard. 2018. Incredible journeys. *South Texas Wildlife*, Volume 23, Number 2.

VonBank, J. A., and B. M. Ballard. 2017. Wetland management: Managing for moist-soil plants. *Texas Wildlife*, October issue.

Krainyk, A., and B. M. Ballard. 2016. Guiding mottled duck habitat conservation in the 21<sup>st</sup> century. *Texas Wildlife*, April issue.

Ballard, B. M. 2014. Duck Divas. *South Texas Wildlife*, Volume 18, Number 2.

Ballard, B. M. 2013. Rice and Waterfowl: a winning combination. *South Texas Wildlife*, Volume 17, Number 2.

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Ballard, B. M. 2011. Texas Colonial Waterbirds. *Texas Wildlife*, October issue.

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Ballard, B. M. 2008. The perfect place for a waterbird researcher. *Texas Wildlife*, February issue.

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Bates, E. M. and B. M. Ballard. 2005. The Charismatic Reddish Egret. *South Texas Wildlife*, Volume 9, Number 1.

Ballard, B. M. 2003. The Mottled Duck: A little known Texas treasure. Texas Wildlife, October Issue.

James, J. D., and B. M. Ballard. 2001. Redheads: The True Winter Texans. Texas Wildlife, October Issue.



## PRESENTED PAPERS

Total number of presentations at professional conferences: **252**

### International/National Conferences:

- Me or my graduate student as presenter: **82 presentations**
- Coauthor with other author as presenter: **24 presentations**

### Regional/State Conferences:

- Me or my graduate student as presenter: **120 presentations**
- Coauthor with other author as presenter: **26 presentations**

### International

1. Linscott, J. A., J. G. Navedo, J. Ruiz, S. J. Clements, J. P. Loghry, B. M. Ballard, M. D. Weegman, and N. R. Senner. 2024. Where to begin: defining stopover sites in movement tracks. Western Hemisphere Shorebird Conference, Sackville, New Brunswick, Canada.
2. Clements, S. J., J. P. Loghry, J. A. Linscott, J. Ruiz, J. G. Navedo, N. R. Senner, B. M. Ballard, and M. D. Weegman. 2024. Reducing tracking data duty cycles impacts inference of stopover behavior but not migration phenology in shorebirds. Western Hemisphere Shorebird Conference, Sackville, New Brunswick, Canada.
3. Shipley, A. A., A. D. Fox, L. Cao, A. Kolzch, H. Kruckenberg, M. L. Casazza, C. Overton, B. M. Ballard, Y. Si, M. D. Weegman. 2024. A global comparison of migration strategies of an Arctic-nesting bird. North American Duck Symposium. Portland, OR.
4. VonBank, J. A., J. Morel, D. P. Collins, B. M. Ballard, P. Lavretsky, K. J. Kraai. 2024. Movement ecology of mottled ducks in a novel environment; the South Texas Brush Country. North American Duck Symposium. Portland, Oregon.
5. Eccles, G. R., K. J. Kraai, D. P. Collins, J. A. VonBank, J. Giese, J. D. James, B. M. Ballard. 2024. Effects of landscape patterns on northern pintail movement and energy expenditure during late winter. North American Duck Symposium. Portland, OR
6. Eccles, G. R., D. P. Collins, K. J. Kraai, P. T. Link, M. L. Casazza, C. T. Overton, M. H. Cline, J. A. VonBank, M. R. Bradshaw, J. D. James, M. D. Weegman, C. D. Hilton, and B. M. Ballard. 2024. Variation in spring migration strategies in northern pintails and consequences to fitness. North American Duck Symposium. Portland, OR. (Poster)
7. McGovern, J. M., E. P. Tanner, C. D. Hilton, K. J. Kraai, D. P. Collins, B. M. Ballard. 2024. Response of northern pintail to thermal variation during spring migration. North American Duck Symposium, Portland, OR (Poster)
8. VonBank, J. A., S. Cunningham, M. D. Weegman, and B. M. Ballard. 2022. Joint use of location and acceleration data to quantify habitat use transitions in Arctic-nesting geese. North American Arctic Goose Conference, Corpus Christi, TX.
9. VonBank, J. A., S. Cunningham, M. D. Weegman, and B. M. Ballard. 2019. Joint use of location and acceleration data to quantify habitat use transitions in Arctic-nesting geese. North American Duck Symposium, Winnipeg, MB.

10. VonBank, J. A., K. Kraai, and B. M. Ballard. 2019. Factors influencing wetland use in Mexico by wintering mid-continent greater white-fronted geese. North American Duck Symposium, Winnipeg, MB. (Poster)
11. VonBank, J. A., S. Cunningham, M. D. Weegman, K. J. Kraai, D. P. Collins, and B. M. Ballard. 2019. Wintering movements and energy expenditure following a large-scale distribution shift in greater white-fronted geese. North American Duck Symposium, Winnipeg, MB.
12. Eccles, G. R., K. J. Kraai, D. P. Collins, and B. M. Ballard. 2019. Investigating spring migration strategies of northern pintails. North American Duck Symposium, Winnipeg, MB. (Poster)
13. VonBank, J. A., M. D. Weegman, K. J. Kraai, D. P. Collins, and B. M. Ballard. 2019. Winter and spring movements, and breeding ground affiliation of white-fronted geese marked in Texas. Central Flyway Committee meeting, Port Aransas, TX.
14. Ballard, B. M. 2019. Technology in Wildlife Research: The big picture. 16th South Texas Wildlife Conference, Kingsville, TX.
15. House, M. M., B. M. Ballard, S. N. Glasscock, M. D. Weegman, H. L. Perotto-Baldivieso. 2019. Modeling foraging habitat for shorebirds in the Laguna Madre. 55th Annual Texas Chapter of The Wildlife Society, Montgomery, TX.
16. VonBank, J. A., B. M. Ballard, K. J. Kraai, M. D. Weegman, D. P. Collins. 2019. Resource selection and energy expenditure by greater white-fronted geese during winter. 55th Annual Texas Chapter of The Wildlife Society, Montgomery, TX.
17. Loghry, J. P., J. A. VonBank, K. J. Kraai, and B. M. Ballard. 2019. Wetland use and characterization of Mexico wetlands used by wintering mid-continent greater white-fronted geese. 55th Annual Texas Chapter of The Wildlife Society, Montgomery, TX. (Poster)
18. VonBank, J. A., S. Cunningham, M. D. Weegman, K. J. Kraai, D. P. Collins, and B. M. Ballard. 2019. Wintering movements and energy expenditure following a large-scale distribution shift in greater white-fronted geese. North American Duck Symposium, Winnipeg, MB.
19. Eccles, G. R., K. J. Kraai, D. P. Collins, and B. M. Ballard. 2019. Investigating spring migration strategies of northern pintails. North American Duck Symposium, Winnipeg, MB, Canada.
20. VonBank, J. A., B. M. Ballard, K. Kraai, M. Weegman, D. P. Collins, and H. Perotto-Baldivieso. 2018. Winter movements and habitat use by midcontinent greater white-fronted geese. 14<sup>th</sup> North American Arctic Goose Conference, Lincoln, NE.
21. VonBank, J. A., B. M. Ballard, K. Kraai, M. Weegman, D. P. Collins. 2018. Breeding ground affiliation and non-breeding distribution of midcontinent greater white-fronted geese captured during the non-breeding period. 14<sup>th</sup> North American Arctic Goose Conference, Lincoln, NE.
22. Cunningham, S., M. D. Weegman, and B. M. Ballard. 2018. Relationship between spring migration and vegetation phenology in Greenland white-fronted geese. 14<sup>th</sup> North American Arctic Goose Conference, Lincoln, NE.
23. Ballard, B. M., C. J. Lange, D. P. Collins, B. C. Wilson, and J. D. James. 2016. Wetland conservation strategy for redheads along the lower Texas coast. International meeting of the Society for Wetland Scientists, Corpus Christi, TX (invited).

24. Enwright, N. M., S. B. Hartley, B. R. Couvillion, M. G. Brasher, J. M. Visser, M. K. Mitchell, B. M. Ballard, M. W. Parr, and B. C. Wilson. 2016. Delineation of marsh types from Corpus Christi Bay, Texas to Perdido Bay, Alabama. International meeting of the Society for Wetland Scientists, Corpus Christi, TX.
25. Krainyk, A., B. M. Ballard, M. G. Brasher, B. C. Wilson, J. Moon, M. W. Parr, and C. Edwards. 2016. Prioritizing mottled duck habitat conservation along the western Gulf coast. International meeting of the Society for Wetland Scientists, Corpus Christi, TX (invited).
26. Ballard, B. M. 2016. Tracking technologies for highly mobile species. Global Marine Sustainability Workshop, Oban, Scotland (invited)
27. Krainyk, A., B. M. Ballard, M. G. Brasher, B. C. Wilson, M. W. Parr, J. A. Moon, and C. Kallio-Edwards. 2016. Prioritizing mottled duck habitat for conservation along the western Gulf coast. 7<sup>th</sup> North American Duck Symposium, Annapolis, Maryland.
28. Garrick, M. J., N. R. Huck, B. M. Ballard, K. J. Kraai. 2016. Dynamics of nutrient reserves and digestive tract of female northern pintails wintering along the Texas coast. 7<sup>th</sup> North American Duck Symposium, Annapolis, Maryland.
29. Collins, D. P., C. J. Lange, and B. M. Ballard. 2016. Impacts of wind energy on wintering redheads. 7<sup>th</sup> North American Duck Symposium, Annapolis, Maryland.
30. Eadie, J. M., D. N. Koons, T. W. Arnold, B. M. Ballard, R. G. Clark, S. R. McWilliams, A. Roberts, C. Williams. 2016. Muddy boots and ivory towers: challenges and opportunities of applied waterfowl research in academic institutions. 7<sup>th</sup> North American Duck Symposium, Annapolis, Maryland.
31. Ballard, B. M. 2016. Body condition of northern pintails along the Texas coast. 7<sup>th</sup> North American Duck Symposium, Annapolis, Maryland.
32. Huck, N. R., B. M. Ballard, A. M. Fedynich, K. J. Kraai, and M E. Castro. 2016. Lead injection by female northern pintails along the Texas coast. 7<sup>th</sup> North American Duck Symposium, Annapolis, Maryland.
33. Lange, C. J., B. M. Ballard, K. L. Metzger, and D. P. Collins. 2016. Predicting sea-level rise and its effects on wintering redheads. 7<sup>th</sup> North American Duck Symposium, Annapolis, Maryland.
34. Krainyk, A., B. M. Ballard, M. G. Brasher, B. C. Wilson, and J. A. Moon. 2016. Validation and refinement of a decision support tool for mottled duck habitat conservation in the western Gulf coast. 7<sup>th</sup> North American Duck Symposium, Annapolis, Maryland.
35. Ballard, D. C., M. J. Garrick, B. M. Ballard, and A. M. Fedynich. 2016. Survey of gizzard helminths in female northern pintails. 7<sup>th</sup> North American Duck Symposium, Annapolis, Maryland.
36. Huck, N. R., M. J. Garrick, B. M. Ballard, K. J. Kraai, and M. R. Kaminski. 2016. Diet of female northern pintails wintering along the Texas coast. 7<sup>th</sup> North American Duck Symposium, Annapolis, Maryland.

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38. Shakrokhi, G., M. C. Green, and B. M. Ballard. 2015. An examination of gene flow among distinct management units of the reddish egret (*Egretta rufescens*). Annual meeting of the Waterbird Society, Bar Harbor, Maine.
39. Koczur, L. M., B. M. Ballard, M. C. Green. 2015. Breeding ecology of the reddish egret in Texas. Annual meeting of the Waterbird Society, Bar Harbor, Maine.
40. Koczur, L. M., A. E. Munters, S. A. Heath, B. M. Ballard, M. C. Green, S. J. Dinsmore, and F. Hernandez. 2014. Nest and brood survival of the American oystercatcher on the western Gulf coast. Annual meeting of the Waterbird Society, La Paz, Mexico.
41. Koczur, L. M., B. M. Ballard, and M. C. Green. 2014. Movements of adult reddish egrets marked with satellite transmitters in the Laguna Madre, Texas. Annual meeting of the Waterbird Society, La Paz, Mexico.
42. Koczur, L. M., A. Krainyk, and B. M. Ballard. 2014. Reddish egret roost-site selection. Annual meeting of the Waterbird Society, La Paz, Mexico.
43. Lange, C. J., B. M. Ballard, D. P. Collins, and R. W. DeYoung. 2014. Impacts of wind energy on wintering redheads along the lower Texas coast. Annual meeting of the Waterbird Society, La Paz, Mexico.
44. Lange, C. J., B. M. Ballard, D. P. Collins, B. C. Wilson, and J. D. James. 2014. Development favorability analysis for redheads along the lower Texas Coast. Annual meeting of the Waterbird Society, La Paz, Mexico.
45. Lange, C. J., B. M. Ballard, K. L. Metzger, D. P. Collins, and R. W. DeYoung. 2014. Modeling sea level rise using a SLAMM model and its effects on colonial waterbird islands. Annual meeting of the Waterbird Society, La Paz, Mexico.
46. Lamb, J. S., D. Newstead, B. M. Ballard, L. Koczur, M. C. Green, and P. Jodice. 2014. A bridge between oceans: use of the Tenuantepec Isthmus by waterbirds during dispersal and migration. Annual meeting of the Waterbird Society, La Paz, Mexico.
47. Wehland, E. M., B. E. Davis, B. M. Ballard, F. C. Rowher, and M. G. Brasher. 2013. Survival of female mottled ducks along the western Gulf coast. 6<sup>th</sup> North American Duck Symposium and Workshop, Memphis, TN.
48. Wehland, E. M., B. E. Davis, B. M. Ballard, F. C. Rowher, and M. G. Brasher. 2013. Post-breeding habitat use and fidelity to molting sites by western Gulf coast mottled ducks. 6<sup>th</sup> North American Duck Symposium and Workshop, Memphis, TN.
49. Mitchell, M. K., B. M. Ballard, J. Visser, and M. G. Brasher. 2013. Delineating coastal marsh zones in Texas. 6<sup>th</sup> North American Duck Symposium and Workshop, Memphis, TN.

50. Contreras, S., B. M. Ballard, W. P. Kuvlesky, L. A. Brennan, and M. L. Morrison. 2012. Bird migration patterns in the lower Gulf Coast region of Texas. 5<sup>th</sup> North American Ornithological Conference, Vancouver, British Columbia, Canada.
51. Ballard, B. M., D. J. Reed, B. Geary, M. C. Green, and W. C. Howe. 2011. Migration routes and wintering sites of reddish egrets breeding in Texas. 5<sup>th</sup> North American Ornithological Conference, Vancouver, British Columbia, Canada.
52. Koczur, L., A. E. Munters, B. M. Ballard, M. C. Green, and S. A. Heath. 2012. Nest success and chick survival of American oystercatchers in Texas. 5<sup>th</sup> North American Ornithological Conference, Vancouver, British Columbia, Canada.
53. Green, M. C., B. M. Ballard, E. Palacios, B. J. Geary, D. J. Reed, and A. Hill. 2012. Movement and gene flow throughout the breeding range of North America's rarest heron, the reddish egret. 5<sup>th</sup> North American Ornithological Conference, Vancouver, BC.
54. Geary, B. J., M. C. Green, B. M. Ballard, D. J. Reed, and W. Howe. 2012. Effects of tropical cyclones and severe weather on juvenile reddish egret dispersal behavior. 5<sup>th</sup> North American Ornithological Conference, Vancouver, BC.
55. Bates, E. M. and B. M. Ballard. 2011. Foraging behavior and foraging habitat dynamics in the Laguna Madre of Texas. Waterbird Society, Annapolis, Maryland.
56. Turner, A. J., B. M. Ballard, and A. Kasner. 2011. Dynamics of wading bird colonies along the Texas Coast. Annual meeting of the Waterbird Society, Grand Island, Nebraska.
57. Reed, D. J., B. M. Ballard, B. Geary, M. Clay Green, and W. Howe. 2011. Foraging distances from colonies by adult reddish egrets. Annual meeting of the Waterbird Society, Grand Island, Nebraska.
58. Bates, E. M. and B. M. Ballard. 2011. Reddish egret foraging behavior and habitat characterization in the Laguna Madre of Texas. Annual meeting of the Waterbird Society, Grand Island, Nebraska.
59. Wehland, E. M., B. E. Davis, B. M. Ballard, F. C. Rowher, and M. Brasher. 2011. Seasonal survival and molting habitat of western Gulf Coast mottled ducks. Annual meeting of the Waterbird Society, Grand Island, Nebraska.
60. Geary, B., M. C. Green, B. M. Ballard, D. J. Reed, and W. Howe. 2011. Movements and survival of juvenile reddish egrets along the Gulf Coast: Initial observations. Annual meeting of the Waterbird Society, Grand Island, Nebraska.
61. Wehland, E. M., B. E. Davis, B. M. Ballard, F. C. Rowher, and M. G. Brasher. 2009. Survival estimates of Western Gulf Coast mottled ducks. 5<sup>th</sup> North American Duck Symposium, Toronto, Ontario, Canada.
62. Davis, B. E., E. M. Wehland, F. C. Rowher, and B. M. Ballard. 2009. Movements and use of habitats by female mottled ducks in coastal Louisiana and Texas. 5<sup>th</sup> North American Duck Symposium, Toronto, Ontario, Canada.

63. Arnold, A., B. M. Ballard, and T. M. Langschied. 2008. Terrestrial habitat use and chronology of migrating birds in southern Texas. American Ornithologists' Union/Cooper Ornithological Society/Society of Canadian Ornithologists annual conference, Portland, OR.
64. Tjelmeland, A. D., A. J. Hanna, and B. M. Ballard. 2008. Long-term trends in the roseate spoonbill population in Texas. Annual meeting of the Waterbird Society, South Padre Island, TX.
65. Bates, L. M., R. W. DeYoung, and B. M. Ballard. 2008. Genetic diversity and populations structure of reddish egrets in Texas. Annual meeting of the Waterbird Society, South Padre Island, TX.
66. Bates, L. M. and B. M. Ballard. 2008. Survival and movements of juvenile reddish egrets. Annual meeting of the Waterbird Society, South Padre Island, TX.
67. Fitzsimmons, O. N., B. M. Ballard, G. A. Baldassarre, M. T. Merendino. 2008. The ecological implications of marsh management to wetland birds. Annual meeting of the Waterbird Society, South Padre Island, TX.
68. Yee, C. G., Fitzsimmons, O. N., B. M. Ballard, D. G. Hewitt, and J. E. Thompson. 2008. Diet composition and changes in body components of American coots wintering in southwestern Arkansas. Annual meeting of the Waterbird Society, South Padre Island, TX.
69. Bates, E. M., R. W. DeYoung, and B. M. Ballard. 2007. Genetic diversity and population structure of reddish egrets in Texas. Waterbird Society Annual Meeting, Barcelona, Spain.
70. Hanna, A. J. and B. M. Ballard. 2007. Long-term trends in reddish egret numbers along the Texas Coast, 1973-2005. Waterbird Society, annual meeting, Barcelona, Spain.
71. Bates, E. M., A. M. Fedynich, B. M. Ballard, and M. C. Green. 2007. Survey of blood parasites from hatch-year reddish egrets from the Texas Coast. Waterbird Society Annual Meeting, Barcelona, Spain.
72. Bates, L. M., R. W. DeYoung, and B. M. Ballard. 2006. Conservation genetics of reddish egrets. North American Ornithological Congress, Veracruz, Mexico.
73. Anderson, J. T., J. A. Moon, B. M. Ballard, D. Haukos, S. J. Dinsmore, and T. E. Moorman. 2006. Survival of female northern pintails during winter in Texas. 4<sup>th</sup> North American Duck Symposium, Bismarck, ND.
74. Anderson, J. T., and B. M. Ballard. 2006. Winter habitat use by female northern pintails along the Texas Coast. 4<sup>th</sup> North American Duck Symposium, Bismarck, ND.
75. Bingham, R. L., B. M. Ballard, and L. A. Brennan. 2006. Misclassified resource selection: compositional analysis and unused habitat. 2006 International Conference on Statistics, Mathematics, and Related Fields, Honolulu, HI.
76. James, J. D., B. M. Ballard, J. S. Davis, and M. J. Petrie. 2003. Body mass and carcass composition of redheads wintering in the Laguna Madre, Texas. 3<sup>rd</sup> North American Duck Symposium, Sacramento, CA.

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78. Wilson, B. C., J. S. Davis, B. M. Ballard, D. M. Brown, J. D. James, and M. J. Petrie. 2003. GIS models to target freshwater wetland conservation for redheads in the Texas Laguna Madre. 3<sup>rd</sup> North American Duck Symposium, Sacramento, CA.
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81. Ballard, B. M., J. E. Thompson, and M. J. Petrie. 2000. Nutritional ecology of wintering pintails in the Laguna Madre of Texas. Second North American Duck Symposium and Workshop, Saskatoon, Saskatchewan, Canada.
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83. Wells, E. D., B. M. Ballard, S. M. Oldenburger, D. P. Collins, D. A. Brandt, A. T. Pearce, and H. Perotto-Baldivieso. 2017. Selection of roost habitat by wintering sandhill cranes along the Texas Gulf Coast. American Ornithological Society, Michigan.
84. Wolf, S. J., A. J. Arnold, M. J. Schnupp, and B. M. Ballard. 2017. Warblers use oak islands as a stopover habitat along the lower Texas coast. American Ornithological Society, Michigan.
85. Wells, E. D., B. M. Ballard, S. M. Oldenburger, D. P. Collins, D. A. Brandt, A. T. Pearce, and H. L. Perotto-Baldivieso. 2017. Wintering Sandhill crane habitat selection along Texas gulf coast. 14<sup>th</sup> International Crane Workshop, Tennessee.
86. Contreras, S., B. M. Ballard, W. P. Kuvlesky, L. A. Brennan, K. Boydston, and M. L. Morrison. 2010. Chronology and magnitude of bird migration along the lower Texas coast. Society for Range Management, Denver, Colorado.
87. Bates, L. M., and B. M. Ballard. 2010. Characterization of reddish egret foraging habitat in the Laguna Madre of Texas. The Wildlife Society, Snowbird, Utah.
88. Wehland, E. M., B. E. Davis, B. M. Ballard, F. C. Rohwer, and M. Brasher. 2010. Seasonal survival and molting habitat of western Gulf Coast mottled ducks. The Wildlife Society, Snowbird, Utah.
89. Fitzsimmons, O. N., B. M. Ballard, G. A. Baldassarre, M. T. Merendino. 2009. The ecological implications of marsh management to wetland birds. Society of Wetland Scientists annual meeting, Madison, WI.

90. Contreras, S., B. M. Ballard, W. P. Kuvlesky, L. A. Brennan, M. L. Morrison, and K. K. Boydston. 2008. Dynamics of bird migration along the lower Texas coast. Partners in Flight annual conference, McAllen, TX.
91. Brennan, L. A., B. M. Ballard, W. P. Kuvlesky. 2008. Windfarm energy development, prescribed fire and migratory land birds in the southeastern United States: breeding, stopover, and wintering habitat relationships. Partners in Flight annual conference, McAllen, TX.
92. Brennan, L. A., R. M. Perez, S. J. DeMaso, B. M. Ballard, and W. P. Kuvlesky. 2008. Potential impacts of wind farm energy development on upland game birds: why worry. Partners in Flight annual conference, McAllen, TX.
93. Arnold, A., B. M. Ballard, and T. M. Langschied. 2008. Terrestrial habitat use and chronology of migrating birds in southern Texas. Partners in Flight annual conference, McAllen, TX.
94. Arnold, A., B. M. Ballard, and T. M. Langschied. 2008. Terrestrial habitat use and chronology of migrating birds in southern Texas. Wilson Ornithological Society/Association of Field Ornithologists annual conference, Mobile, AL.
95. Tjelmeland, A. D., A. J. Hanna, and B. M. Ballard. 2008. Long-term trends in the roseate spoonbill population in Texas. Annual meeting of The Wildlife Society, Miami, FL.
96. Bates, E. M., R. W. DeYoung, and B. M. Ballard. 2007. Conservation genetics of reddish egrets. The Wildlife Society Annual Meeting, Tuscon, AZ.
97. Turner, J. W., F. Hernandez, C. W. Boal, B. M. Ballard, and F. C. Bryant. 2007. Raptor abundance and migration patterns in South Texas. The Wildlife Society Annual Meeting, Tuscon, AZ.
98. Bingham, R. L., B. M. Ballard, and L. A. Brennan. 2007. Differences in determination of preferential habitat use for a distance-based method and compositional analysis. The Wildlife Society Annual Meeting, Tuscon, AZ.
99. Bingham, R. L., B. M. Ballard, and L. A. Brennan. 2006. Differences in determination of preferential habitat use for a distance-based method and compositional analysis. The Wildlife Society annual meeting, Anchorage, AK.
100. Anderson, J. T., B. M. Ballard, R. R. Cox, Jr., S. J. Dinsmore, and T. E. Moorman. 2005. Survival of female northern pintails during winter along the Texas Coast. The Wildlife Society annual meeting, Madison, WI.
101. Ballard, B. M., B. C. Wilson, D. M. Browne, and J. D. James. 2005. Prioritization of freshwater wetland conservation for wintering redheads along the lower Texas Coast. The Wildlife Society annual meeting, Madison, WI.
102. Graves, D., A. M. Fedynich, and B. M. Ballard. 2005. Assessing helminth community structure and patterns in gizzard worms of blue-winged teal (*Anas discors*). The 80<sup>th</sup> annual meeting of the American Society of Parasitologists. Mobile, AL.
103. Graves, D., G. A. Garvon, A. M. Fedynich, and B. M. Ballard. 2005. Sex ratios of gizzard nematodes in blue-winged teal (*Anas discors*). The 80<sup>th</sup> annual meeting of the American Society of Parasitologists. Mobile, AL.



104. Finger, R. S., B. M. Ballard, M. T. Merendino, J. P. Hurst, D. S. Lobpries, and A. M. Fedynich. 2004. Nest site characteristics of mottled ducks in Texas. Annual meeting of The Wildlife Society, Calgary, Alberta.
105. James, J.D., B. M. Ballard, J. S. Davis, and M. J. Petrie. 2004. Body mass and carcass composition of redheads wintering in the Laguna Madre, Texas. Annual meeting of The Wildlife Society, Calgary, Alberta.

106. Bingham, R. L. and B. M. Ballard. 2004. How reliable are compositional analysis and Euclidean distance-based analyses for assessment of resource selection? Annual meeting of The Wildlife Society, Calgary, Alberta.
107. Fedynich, A. M., R. S. Finger, B. M. Ballard, J. Garvon, and M. Mayfield. 2004. Helminth communities of Ross' and white-fronted geese wintering in south Texas. The 53<sup>rd</sup> Annual Meeting of the Wildlife Disease Association; A Joint Conference with the American Association of Zoo Veterinarians and the American Association of Wildlife Veterinarians San Diego, CA.
108. Garvon, J. M., A. M. Fedynich, R. S. Finger, and B. M. Ballard. 2004. Ecological significance of gizzard nematode sex ratios in waterfowl. The 53<sup>rd</sup> Annual Meeting of the Wildlife Disease Association; A Joint Conference with the American Association of Zoo Veterinarians and the American Association of Wildlife Veterinarians, San Diego, CA.
109. Finger, R. S., B. M. Ballard, M. T. Merendino, J. Hurst, D. S. Lobpries, and A. M. Fedynich. 2002. Survival of female mottled ducks and ducklings in Texas. Annual meeting of The Wildlife Society, Bismarck, ND.
110. Ballard, B. M., J. E. Thompson, and M. J. Petrie. 2000. Nutritional ecology of wintering northern pintails in the Laguna Madre of Texas. Annual meeting of The Wildlife Society, Nashville, TN.

### **Regional**

111. Eccles, G. R., K. J. Kraai, D. P. Collins, J. A. VonBank, J. C. Giese, B. C. Wilson, J. D. Lancaster, T. Abshier, J. D. James, M. D. Weegman, C. D. Hilton, and B. M. Ballard. 2023. The effects of late-winter habitat management on spring migration chronology in a declining dabbling duck. Southeastern Association of Wildlife and Fisheries, Corpus Christi, Texas.
112. Eccles, G. R., B. M. Ballard, K. J. Kraai, D. P. Collins, and J. D. James. 2022. Non-breeding ecology of northern pintails. Central Flyway Council Meeting, South Padre Island, Texas.
113. Ballard, D. C., A. M. Fedynich, M. J. Garrick, and B. M. Ballard. 2016. Sex ratios of gizzard nematodes in female northern pintails. Southwestern Association of Parasitologists. Lake Texoma, OK.
114. Krainyk, A., B. M. Ballard, M. G. Brasher, B. C. Wilson, M. Parr, and G. Moon. 2014. Prioritizing mottled duck habitat for management along the western Gulf coast. Annual meeting of the Southeastern Association of Fish and Wildlife Agencies, Destin, FL.
115. Huck, N. R., B. M. Ballard, K. Kraai, and M. R. Kaminski. 2014. Diet of female northern pintails along the Texas coast. Annual meeting of the Southeastern Association of Fish and Wildlife Agencies, Destin, FL.

116. Koczur, L. M., A. E. Munters, S. A. Heath, B. M. Ballard, M. C. Green, S. J. Dinsmore, and F. Hernandez. 2014. American oystercatcher reproductive success in Texas. Annual meeting of the Southeastern Association of Fish and Wildlife Agencies, Destin, FL.
117. Bates, E. M., A. M. Fedynich, B. M. Ballard, and M. C. Green. 2007. Survey of blood parasites from hatch-year reddish egrets from the Texas Coast. Southwestern Association of Parasitologists annual meeting, Lake Texoma, OK.
118. Fedynich, A. M., R. S. Finger, B. M. Ballard, and J. Garvon. 2004. Helminth community structure and pattern in white-fronted geese wintering in south Texas. Southwestern Association of Parasitologists annual meeting, Kingston, OK.
119. Garvon, J. M., A. M. Fedynich, R. S. Finger, B. M. Ballard. 2003. Sex ratios of gizzard nematodes from white-fronted geese and Ross' geese. Southwestern Association of Parasitologists Annual Meeting, Lake Texoma, OK.
120. Fedynich, A. M., R. S. Finger, B. M. Ballard, and M. Mayfield. 2003. Helminths of Ross' Geese Wintering in South Texas. Southwestern Association of Parasitologists Annual Meeting, Lake Texoma, OK.
121. Ballard, B. M., J. E. Thompson, M. T. Merendino, J. D. Ray, J. A. Roberson, and T. C. Tacha. 1999. Demographics of the Gulf Coast subpopulation of mid-continent sandhill cranes. Proc. Annu. Conf. Southeast. Assoc. Fish and Wildl. Agencies. Annual meeting, Greensboro, NC.

### State

122. Rodkey, T. L., R. Lanctot, and B. M. Ballard. 2023. Habitat selection by buff-breasted sandpipers at a migratory stopover. Texas Chapter of The Wildlife Society. Houston, TX.
123. Eccles, G.R., Kraai, K.J., Collins, D.P., VonBank, J.A., Giese, J.C., James, J.D. & Ballard, B.M. 2024. Nonbreeding ecology of northern pintails and links to fitness. Texas Chapter of the Wildlife Society, Houston, Texas.
124. Eccles, G.R., M. R. Bradshaw, J. A. VonBank, and B. M. Ballard. 2023. Using accelerometer data to remotely categorize wild animal behavior. Texas Chapter of The Wildlife Society, Houston, TX. (Poster)
125. Segovia, J., G. R. Eccles, B. M. Ballard. 2023. Influence of late winter wetland management on northern pintail migration performance. Texas Chapter of The Wildlife Society, Houston, TX. (Poster)
126. Rosales, A., T. L. Rodkey, and B. M. Ballard. 2023. Species distribution of buff-breasted sandpipers at a migratory stopover in South America. Texas Chapter of The Wildlife Society, Houston, TX. (Poster)
127. Schrader, E., Eccles, G.R., Wells, E.D., Perotto-Baldivieso, H.L. & Ballard, B.M. 2022. A comparison of surface water extraction techniques to identify wetland availability for wintering waterfowl in North America. Texas Chapter of the Wildlife Society, Texas. (Poster)
128. Eccles, G.R., Kraai, K., Collins, D.P., & Ballard, B.M. 2021. Non-breeding ecology of female northern pintails. Texas Parks and Wildlife Migratory Game Bird Technical Committee Meeting, Garwood, Texas.

129. Eccles, G.R., Kraai, K., Collins, D.P., & Ballard, B.M. 2021. Non-breeding ecology of female northern pintails. Texas Parks and Wildlife Migratory Game Bird Advisory Committee Meeting, Garwood, Texas.
130. Loghry, J., and B. M. Ballard. 2021. Shorebird community structure during spring migration in the Laguna Madre of Texas. Virtual. Texas Colonial Waterbird Society.
131. Rodkey, T., R. Lanctot, and B. M. Ballard. 2021. Habitat selection by buff-breasted sandpipers during stopover in Texas. Virtual. Texas Colonial Waterbird Society.
132. Rodkey, T., R. Lanctot, and B. M. Ballard. 2021. Habitat selection by buff-breasted sandpipers during stopover in Texas. Welder Wildlife Foundation Biennial Symposium.
133. House, M., and B. M. Ballard. 2021. Delineating shorebird habitat availability in the Laguna Madre of Texas. Welder Wildlife Foundation Biennial Symposium.
134. Bradshaw, M. R., B. M. Ballard, V. Sundararaj, S. Chumbley P. Lavretsky, and J. D. James. 2020. Conspecific brood parasitism in black-bellied whistling-ducks. 56th Annual Texas Chapter of The Wildlife Society, Corpus Christi, TX. (Poster)
135. Sunararaj, V., K. Flemming, D. Collins, B. M. Ballard. 2020. Analysis of the breeding mottled duck population survey in Texas and Louisiana. 56th Annual Texas Chapter of The Wildlife Society, Corpus Christi, TX. (Poster)
136. Eccles, G. R., K. J. Kraai, D. P. Collins, and B. M. Ballard. 2020. Investigating spring migration strategies of northern pintails. 56th Annual Texas Chapter of The Wildlife Society, Corpus Christi, TX. (Poster)
137. House, M. M., B. M. Ballard, S. N. Glasscock, M. D. Weegman, H. L. Perotto-Baldivieso. 2020. Modeling foraging habitat for shorebirds in the Laguna Madre. 56th Annual Texas Chapter of The Wildlife Society, Corpus Christi, TX.
138. Vasquez, J. P., J. A. VonBank, J. P. Loghry, K. J. Kraai, and B. M. Ballard. 2020. Wetland use by greater white-fronted geese in Mexico. 56th Annual Texas Chapter of The Wildlife Society, Corpus Christi, TX (Poster).
139. Vasquez, J. P., J. A. VonBank, J. P. Loghry, K. J. Kraai, and B. M. Ballard. 2020. 56<sup>th</sup> Annual Texas Chapter of The Wildlife Society, Corpus Christi, TX.
140. House, M. M., B. M. Ballard, S. N. Glasscock, M. D. Weegman, H. L. Perotto-Baldivieso. 2020. A model of shorebird foraging habitat in the Laguna Madre. 56<sup>th</sup> Annual Texas Chapter of The Wildlife Society, Corpus Christi, TX.
141. Eccles, G. R., K. J. Kraai, D. P. Collins, J. D. James, M. D. Weegman, C. D. Hilton, and B. M. Ballard. 2020. Comparing spring migration strategies of northern pintails originating from different wintering regions across North America. 56<sup>th</sup> Annual Texas Chapter of The Wildlife Society, Corpus Christi, TX.
142. Bradshaw, M., B. M. Ballard, V. Sundararaj, S. Chumbley, P. Lavretsky, and J. D. James. 2020. Conspecific brood parasitism in black-bellied whistling-ducks. 56<sup>th</sup> Annual Texas Chapter of The Wildlife Society, Corpus Christi, TX.
143. Sundararaj, V., K. Flemming, D. Collins, B. M. Ballard. 2020. Analysis of the breeding mottled duck population survey in Texas and Louisiana. 56<sup>th</sup> Annual Texas Chapter of The Wildlife Society, Corpus Christi, TX.

144. Ballard, B. M. 2019. Technology in Wildlife Research: The big picture. 16<sup>th</sup> South Texas Wildlife Conference, Kingsville, TX.
145. House, M. M., B. M. Ballard, S. N. Glasscock, M. D. Weegman, H. L. Perotto-Baldivieso. 2019. Modeling foraging habitat for shorebirds in the Laguna Madre. 55<sup>th</sup> Annual Texas Chapter of The Wildlife Society, Montgomery, TX.
146. VonBank, J. A., B. M. Ballard, K. J. Kraai, M. D. Weegman, D. P. Collins. 2019. Resource selection and energy expenditure by greater white-fronted geese during winter. 55<sup>th</sup> Annual Texas Chapter of The Wildlife Society, Montgomery, TX.
147. Loghry, J. P., J. A. VonBank, K. J. Kraai, and B. M. Ballard. 2019. Wetland use and characterization of Mexico wetlands used by wintering mid-continent greater white-fronted geese. 55<sup>th</sup> Annual Texas Chapter of The Wildlife Society, Montgomery, TX.
148. Wolfe, S. J., A. J. Arnold, B. M. Ballard, M. J. Schnupp, and J. T. Edwards. 2018. Habitat associations of migratory birds in south Texas. 54<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society, Dallas.
149. Wells, E. D., B. M. Ballard, S. L. Oldenburger, D. P. Collins, D. A Brandt, A. T. Pearse, H. L. Perotto-Baldivieso, D. Wolfson. Autumn and wintering movement ecology of Gulf Coast subpopulation sandhill cranes. 54<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society, Dallas.
150. Eversole, C. B. S. E. Henke, S. N. Glasscock, R. L. Powell, D. B. Wester, and B. M. Ballard. 2018. Nuisance American alligators and evaluation of translocation as a management strategy. 54<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society, Dallas.
151. Eversole, C. B., S. E. Henke, S. N. Glasscock, R. L. Powell, D. B. Wester, and B. M. Ballard. 2018. Population structure, distribution, and habitat use of American alligators at an urban coastal site. Annual Meeting of the Texas Chapter of The Wildlife Society, Dallas.
152. Eversole, C. B., S. E. Henke, B. T. Turner, S. N. Glasscock, R. L. Powell, D. B. Wester, and B. M. Ballard. 2018. A theoretical population and harvest model for American alligators. 54<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society, Dallas.
153. VonBank, J. A., B. M. Ballard, K. J. Kraai, M. D. Weegman, D. P. Collins, and H. L. Perotto-Baldivieso. 2018. Winter movements and habitat use by greater white-fronted geese. 54<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society, Dallas.
154. VonBank, J. A., B. M. Ballard, K. Kraai, M. Weegman, D. Collins, and H. Perotto-Baldivieso. 2018. Winter Movements and Habitat Selection by Midcontinent Greater White-fronted Geese. Texas Waterfowl Partners Meeting. Port Aransas, Texas.
155. House, M., B. M. Ballard, and S. Glasscock. 2017. Developing a foraging habitat model for shorebird habitat in the Laguna Madre. Texas Colonial Waterbird Society Annual Meeting, Kingsville, TX.

156. Ballard, B. M. 2017. The annual cycle of waterfowl. Texas Waterfowl Ecology and Management Symposium, El Campo, Texas, April 2017.
157. Wells, E. D., B. M. Ballard, S. M. Oldenburger, D. P. Collins, D. A. Brandt, A. T. Pearse, and H. L. Perotto-Baldivieso. 2017. Wintering Sandhill crane habitat selection along Texas gulf coast. 53<sup>rd</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. San Antonio, Texas, February 2017.
158. Wolfe, S. J., A. J. Arnold, M. J. Schnupp, and B. M. Ballard. 2017. Habitat associations of flycatchers migrating along the lower Texas coast. 53<sup>rd</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. San Antonio, Texas, February 2017.
159. Couvillon, R. O., L. A. Brennan, F. Hernández, B. M. Ballard, and T. V. Dailey. 2017. Home range and density of northern bobwhite on irrigated rangeland in South Texas. 53<sup>rd</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. San Antonio, Texas, February 2017.
160. Couvillon, R. O., L. A. Brennan, B. M. Ballard, F. Hernández, and T. V. Dailey. 2017. Microhabitat characteristics and thermal biology of Texas tortoises from an inland population. 53<sup>rd</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. San Antonio, Texas, February 2017.
161. Yerrick, T. J., B. M. Ballard, S. Contreras-Walsh. 2016. Evaluating the performance of an avian radar system in estimating target size metrics. 52<sup>nd</sup> annual meeting of The Texas Chapter of The Wildlife Society, San Antonio, TX.
162. Shahrokhi, G., M. C. Green, D. Rodriguez, and B. M. Ballard. 2016. An examination of gene flow among distinct management units of the reddish egret (*Egretta rufescens*). 52<sup>nd</sup> annual meeting of The Texas Chapter of The Wildlife Society, San Antonio, TX.
163. Ballard, D. C., M. J. Garrick, B. M. Ballard, and A. M. Fedynich. 2016. Prevalence of gizzard helminths in female northern pintails wintering along the Texas coast. 52<sup>nd</sup> annual meeting of The Texas Chapter of The Wildlife Society, San Antonio, TX.
164. Wells, E. D., B. M. Ballard, S. Oldenberger, D. P. Collins. 2016. Sandhill crane winter habitat selection and future availability along the Texas Gulf Coast. 52<sup>nd</sup> annual meeting of The Texas Chapter of The Wildlife Society, San Antonio, TX.
165. Garrick, M. J., N. R. Huck, B. M. Ballard, and K. J. Kraai. 2016. Dynamics of nutrient reserves and digestive tract of female northern pintails wintering along the Texas coast. 52<sup>nd</sup> annual meeting of The Texas Chapter of The Wildlife Society, San Antonio, TX.
166. Koczur, L. M., B. M. Ballard, and M. C. Green. 2016. Wintering season ecology of the Reddish Egret. 52<sup>nd</sup> annual meeting of The Texas Chapter of The Wildlife Society, San Antonio, TX.
167. Couvillon, R. O., L. A. Brennan, F. Hernandez, B. M. Ballard, and T. V. Daily. 2016. Arthropod response to irrigation of wildlife habitat. 52<sup>nd</sup> annual meeting of The Texas Chapter of The Wildlife Society, San Antonio, TX.

168. Couvillon, R. O., L. A. Brennan, F. Hernandez, B. M. Ballard, and T. V. Daily. 2016. Habitat use of the Texas tortoise on a landscape managed for recreational hunting. 52<sup>nd</sup> annual meeting of The Texas Chapter of The Wildlife Society, San Antonio, TX.
169. Ballard, B. M. 2015. Contemporary bird monitoring techniques. 51<sup>st</sup> Annual meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, Texas, 18-21 February 2015. (invited for Technologies Workshop).
170. Krainyk, A., B. M. Ballard, Prioritizing mottled duck habitat for conservation along the western Gulf Coast. 51<sup>st</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, Texas, 18-21 February 2015.
171. Lange, C. J., B. M. Ballard, and D. P. Collins. 2015. Modelling sea level rise using a SLAMM model and its effects on colonial waterbird islands. 51<sup>st</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, Texas, 18-21 February 2015.
172. Lange, C. J., B. M. Ballard, D. P. Collins. 2015. Impacts of wind energy on wintering redheads along the lower Texas coast. 51<sup>st</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, Texas, 18-21 February 2015.
173. Koczur, L. M., D. Williford, B. M. Ballard, and R. DeYoung. 2015. Bringing back the dead: molecular sexing of avian carcasses. 51<sup>st</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, Texas, 18-21 February 2015.
174. Yerrick, T. J., B. M. Ballard, and S. Contreras-Walsh. 2015. Evaluation of an avian radar system to differentiate bird targets. 51<sup>st</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, Texas, 18-21 February 2015.
175. Garrick, M. J., B. M. Ballard, D. G. Hewitt, and C. D. Hilton. 2015. Molt chronology and the effects of molt intensity on somatic protein reserves in northern pintails wintering along the lower Texas coast. 51<sup>st</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, Texas, 18-21 February 2015.
176. Eversole, C. B., S. E. Henke, B. M. Ballard, and R. L. Powell. 2015. Growth, condition, and age of American alligators in a high density population. 51<sup>st</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, Texas, 18-21 February 2015.
177. Eversole, C. B., S. E. Henke, D. B. Wester, B. M. Ballard, and R. L. Powell. 2015. Temporal influences on American alligator nighttime surveys. 51<sup>st</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, Texas, 18-21 February 2015.
178. Eversole, C. B., S. E. Henke, D. B. Wester, B. M. Ballard, and R. L. Powell. 2015. Testing ontogenetic variation in the relationship between cranial morphology and total body length in the American alligator. 51<sup>st</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, Texas, 18-21 February 2015.
179. Contreras-Walsh, S., B. M. Ballard. 2015. Monitoring bird migration along the lower Texas coast: a comparison of coastal and inland sites. 51<sup>st</sup> Annual Meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, Texas, 18-21 February 2015.

180. Krainyk, A., B. M. Ballard, M. G. Brasher, B. C. Wilson, M. Parr, and G. Moon. 2014. Prioritizing mottled duck habitat for management along the western Gulf coast. Annual meeting of the Texas Chapter of The Wildlife Society, Austin, TX.
181. Koczur, L. M., A. E. Munters, S. A. Heath, B. M. Ballard, M. C. Green, S. J. Dinsmore, and F. Hernandez. 2014. American oystercatcher nest and brood survival in Texas. Annual meeting of the Texas Chapter of The Wildlife Society, Austin, TX.
182. Koczur, L. M., A. Krainyk, and B. M. Ballard. 2014. Nocturnal roosting of reddish egrets. Annual meeting of the Texas Chapter of The Wildlife Society, Austin, TX.
183. Lange, C. J., B. M. Ballard, D. P. Collins, B. C. Wilson, and J. D. James. 2014. Development favorability analysis for redheads along the lower Texas Coast. Annual meeting of the Texas Chapter of The Wildlife Society, Austin, TX.
184. Lange, C. J., B. M. Ballard, K. L. Metzger, D. P. Collins. 2014. Modeling the effects of sea level rise on coastal pond availability for redheads along the lower Texas coast. Annual meeting of the Texas Chapter of The Wildlife Society, Austin, TX.
185. Huck, N. R., B. M. Ballard, K. Kraai, and M. R. Kaminski. 2014. Diet and nutrition of female northern pintails wintering along the Texas coast. Annual meeting of the Texas Chapter of The Wildlife Society, Austin, TX.
186. Enwright, N., S. B. Hartley, M. G. Brasher, J. M. Visser, M. K. Mitchell, B. M. Ballard, M. W. Parr, and B. R. Couvillion. 2014. Annual meeting of the Texas Chapter of The Wildlife Society, Austin, TX.
187. Enwright, N. M., S. B. Hartley, B. R. Couvillion, M. G. Brasher, J. M. Visser, M. K. Mitchell, B. M. Ballard, M. W. Parr, and B. C. Wilson. 2014. Delineation of marsh types along the north central Gulf of Mexico Coast from Corpus Christi Bay, Texas to Mobile Bay, Alabama – 2010. Gulf Coast Joint Venture Management Board, Corpus Christi, TX
188. Krainyk, A., B. M. Ballard, M. G. Brasher, B. C. Wilson, M. Parr, and G. Moon. 2014. A decision support tool to guide mottled duck conservation in the western Gulf Coast. Central Flyway Technical Committee, Corpus Christi, TX
189. Lange, C. J., B. M. Ballard, and D. P. Collins. 2014. Conservation issues for redheads along the lower Texas Coast. Central Flyway Technical Committee, Corpus Christi, TX
190. Krainyk, A., B. M. Ballard, M. G. Brasher, B. C. Wilson, M. Parr, and G. Moon. 2014. Development of a decision support tool to guide mottled duck conservation in the western Gulf Coast region. Gulf Coast Joint Venture Management Board, Corpus Christi, TX
191. Koczur, L. M., A. E. Munters, S. A. Heath, B. M. Ballard, M. C. Green, F. Hernandez, D. B. Wester. 2013. Reproductive success of American oystercatchers along the Texas coast. Texas Chapter of The Wildlife Society, Houston, TX.
192. Koczur, L.M., A.E. Munters, S.A. Heath, B.M. Ballard, M.C. Green, F. Hernández and D.B. Wester. 2013. Reproductive Success of the American Oystercatcher in Texas. Texas Colonial Waterbird Society, Victoria, TX.



193. Trewella, I., F. Hernandez, D. B. Wester, B. M. Ballard, D. G. Hewitt. 2013. Timing of northern bobwhite reproduction in a semi-arid environment. Texas Chapter of The Wildlife Society, Houston, TX.
194. Lange, C. J., B. M. Ballard, D. P. Collins, E. J. Redeker, J. D. James. 2013. Impacts of wind energy on wintering redheads along the lower Texas coast. Texas Chapter of The Wildlife Society, Houston, TX.
195. Krainyk, A., R. S. Finger, R. H. Terry, B. M. Ballard. Wetland habitat selection by mottled duck broods in Texas. 2013. Texas Chapter of The Wildlife Society, Houston, TX.
196. Krainyk, A., B. M. Ballard, M. G. Brasher, B. C. Wilson, M. W. Parr, and E. G. Redeker. 2013. Prioritizing mottled duck habitat for management along the western Gulf coast. Texas Chapter of The Wildlife Society, Houston, TX.
197. Munters, A. E., L. M. Koczur, M. C. Green, B. M. Ballard, S. A. Heath. 2013. Habitat suitability and nest site selection of American oystercatchers along the Texas coast. Texas Chapter of The Wildlife Society, Houston, TX.
198. Contreras, S., B. M. Ballard, W. P. Kuvlesky, L. A. Brennan, and M. L. Morrison. 2012. Temporal and spatial dynamics of bird migration along the lower Texas Coast. Texas Chapter of The Wildlife Society, Fort Worth.
199. Geary, B. J., M. C. Green, B. M. Ballard, D. J. Reed, and W. C. Howe. 2012. Use of satellite telemetry to observe first-year movements and survival of reddish egrets on the Gulf coast. Texas Chapter of The Wildlife Society, Fort Worth.
200. Bates, E. M., and B. M. Ballard. 2012. Delineation of reddish egret foraging habitat in the Laguna Madre of Texas. Texas Chapter of The Wildlife Society, Fort Worth.
201. Reed, D. J., B. J. Geary, B. M. Ballard, M. C. Green, and W. C. Howe. 2012. Seasonal movements of adult reddish egrets in the Laguna Madre of Texas. Texas Chapter of The Wildlife Society, Fort Worth.
202. Mitchell, M. K., B. M. Ballard, M. G. Brasher, J. M. Visser, and E. J. Redeker. 2012. Waterfowl foraging values of wetlands in Texas. Texas Chapter of The Wildlife Society, Fort Worth.
203. McBee, D. C., M. K. Mitchell, and B. M. Ballard. 2012. Carrying capacity of freshwater wetlands in southern Texas for migrating shorebirds. Texas Chapter of The Wildlife Society, Fort Worth.
204. Wehland, E. M., B. E. Davis, B. M. Ballard, F. C. Rowher, and M. Brasher. 2011. Post-breeding habitat selection of western Gulf Coast mottled ducks. Texas Chapter of The Wildlife Society, San Antonio.
205. Bates, E. M. and B. M. Ballard. 2011. Reddish egret foraging behavior and habitat characterization in the Laguna Madre of Texas. Texas Chapter of The Wildlife Society, San Antonio.

206. Reed, D. J., B. M. Ballard, B. Geary, and M. Clay Green. 2011. Seasonal movements of adult reddish egrets marked with satellite transmitters. Texas Colonial Waterbird Society, Corpus Christi.
207. Bates, E. M. and B. M. Ballard. 2011. Reddish egret foraging behavior and habitat characterization in the Laguna Madre of Texas. Texas Colonial Waterbird Society, Corpus Christi.
208. Contreras, S., and B. M. Ballard. 2011. Use of radar technology to characterize migratory bird movements. Texas Chapter of The Wildlife Society, San Antonio.
209. Wehland, E. M., B. E. Davis, B. M. Ballard, F. C. Rowher, and M. Brasher. 2010. Seasonal survival and molting habitat of Western Gulf Coast mottled ducks. Texas Chapter of The Wildlife Society, Galveston.
210. Bates, E. M. and B. M. Ballard. 2010. Characterization of reddish egret foraging habitat in the Laguna Madre of Texas. Texas Chapter of The Wildlife Society, Galveston.
211. Fitzsimmons, O. N., B. M. Ballard, G. A. Baldassarre, M. T. Merendino, and K. M. Hartke. 2010. The ecological implications of marsh management to wetland birds. Texas Chapter of The Wildlife Society, Galveston.
212. Contreras, S., B. M. Ballard, W. P. Kuvlesky, L. A. Brennan, K. Boydston, and M. L. Morrison. 2010. Chronology and magnitude of bird migration along the lower Texas coast. Texas Chapter of The Wildlife Society, Galveston.
213. Wehland, E. M., B. E. Davis, B. M. Ballard, and F. C. Rowher. 2009. Seasonal survival of Western Gulf Coast mottled ducks. Texas Chapter of The Wildlife Society, Lubbock.
214. Bates, E. M. and B. M. Ballard. 2009. Survival and movements of juvenile reddish egrets. Texas Chapter of The Wildlife Society, Lubbock.
215. Fitzsimmons, O. N., B. M. Ballard, G. A. Baldassarre, and M. T. Merendino. 2009. The ecological implications of marsh management to wetland birds. Texas Chapter of The Wildlife Society, Lubbock.
216. Bates, E. M., R. W. DeYoung, and B. M. Ballard. 2008. Understanding genetic structuring of Reddish Egrets in Texas: the first steps for effective management. Texas Wildlife Diversity Conference, Houston, TX.
217. Bates, E. M., R. W. DeYoung, and B. M. Ballard. 2008. Genetic diversity and population structure of reddish egrets in Texas. Texas Chapter of The Wildlife Society annual meeting, San Antonio, TX.
218. Hanna, A. J., B. M. Ballard, and A. Kasner. 2008. Long-term trends in reddish egrets along the Texas coast. Texas Chapter of The Wildlife Society annual meeting, San Antonio, TX.
219. Bingham, R.L., B. M. Ballard and L.A. Brennan. 2008. Inflated Type I errors using compositional analysis for unused habitats. Texas Chapter of The Wildlife Society annual meeting, San Antonio, TX.

220. Turner, J.W., F. Hernandez, B. M. Ballard, C. W. Boal, and F. C. Bryant. 2008. Raptor abundance and migration patterns in South Texas. Texas Chapter of The Wildlife Society annual meeting, San Antonio, TX, 14–16 February 2008.
221. Bates, E. M., B. M. Ballard, and A. C. Kasner. 2008. The characterization and delineation of Reddish Egret foraging habitat in the Laguna Madre of Texas. 9th Ecological Integration Symposium, College Station, Texas.
222. Bates, E. M., R. W. DeYoung, and B. M. Ballard. 2007. Conservation genetics of reddish egrets. Texas Chapter of The Wildlife Society 42<sup>nd</sup> Annual Meeting, Beaumont, TX.
223. Bates, E. M., A. M. Fedynich, B. M. Ballard, and M. C. Green. 2007. Blood parasites in reddish egrets from the Texas Gulf Coast. Texas Chapter of The Wildlife Society 42<sup>nd</sup> Annual Meeting, Beaumont, TX.
224. Merendino, M. T., M. Brasher, B. M. Ballard, and K. Hartke. 2007. Current waterfowl research studies on the Texas Coast. Texas Chapter of The Wildlife Society 42<sup>nd</sup> Annual Meeting, Beaumont, TX.
225. Scott, J. L., F. Hernandez, L. A. Brennan, B. M. Ballard, and N. D. Forrester. 2007. Restoration of northern bobwhite populations in fragmented landscapes. Texas Chapter of The Wildlife Society 42<sup>nd</sup> Annual Meeting, Beaumont, TX.
226. Turner, J. W., F. Hernandez, B. M. Ballard, C. W. Boal, and F. C. Bryant. 2007. Raptor abundance and migration patterns in South Texas. Texas Chapter of The Wildlife Society 42<sup>nd</sup> Annual Meeting, Beaumont, TX.
227. Bates, E. M., R. W. DeYoung, and B. M. Ballard. 2007. Conservation genetics of reddish egrets. Texas Colonial Waterbird Society Biannual Meeting, Corpus Christi, TX.
228. Anderson, J. T, and B. M. Ballard. 2006. Habitat use of female northern pintails in the rice prairie region of Texas. Texas Chapter of The Wildlife Society annual meeting, South Padre Island, TX.
229. Bates, L. M., R. W. DeYoung, and B. M. Ballard. 2006. Conservation genetics of reddish egrets along the Texas Coast. 4<sup>th</sup> Annual Pathways to the Doctorate Symposium, Canyon, TX.
230. Ballard, B. M. 2005. Status and research needs for reddish egrets. Texas Colonial Waterbird Society 2005 Symposium. Port Aransas, TX. (*Invited*)
231. Anderson, J. T., and B. M. Ballard. 2005. Survival of female northern pintails along the Gulf Coast of Texas. 3<sup>rd</sup> Annual Pathways to the Doctorate Symposium, Kingsville, TX
232. Estrella, J. A., and B. M. Ballard. 2005. Energy budgets of female northern pintails wintering along the Texas coast. 3<sup>rd</sup> Annual Pathways to the Doctorate Symposium, Kingsville, TX
233. Ballard, B. M., B. C. Wilson, D. M. Browne, and J. D. James. 2005. Prioritizing freshwater wetland conservation efforts along the southern Texas coast. Center for Research Excellence in Science and Technology - Environmental Sustainability in Semi-arid Coastal Areas, San Antonio, TX

234. Anderson, J. T, B. M. Ballard, and D. S. Lobjeries. 2005. Survival and habitat use of female northern pintails in the rice prairie region of Texas. Texas Chapter of The Wildlife Society annual meeting, Amarillo, TX .
235. Clore, W. E., B. M. Ballard, and M. L. Bartoskowetz. 2005. Diet composition and quality of northern bobwhites in early and mid-successional habitats during winter in south Texas. Texas Chapter of The Wildlife Society annual meeting, Amarillo, TX
236. Sliger, T. B., J.M. Garvon, B. M. Ballard, A. M. Fedynich. 2005. Evaluation of multiple techniques in age determination of blue-winged teal. Texas Chapter of The Wildlife Society annual meeting, Amarillo, TX .
237. Sliger, T. B., J.M. Garvon, B. M. Ballard, A. M. Fedynich. 2005. Determinating age of blue-winged teal: optimal field techniques. Texas Academy of Science annual meeting, Edinburg, TX .
238. Sliger, T. B., J. M. Garvon, B. M. Ballard, A. M. Fedynich. 2005. Effectiveness of multiple techniques in age determination of blue-winged teal. 3<sup>rd</sup> Annual Pathways to the Doctorate Symposium, Kingsville, TX
239. Ballard, B. M., B. C. Wilson, D. M. Browne, J. D. James, and J. S. Davis. 2004. Conservation strategies for wintering redheads in the Laguna Madre of Texas. Texas Chapter of the Wildlife Society, Kerrville.
240. James, J. D., B. M. Ballard, M. J. Petrie, and R. D. Slack. 2004. Are resources limited to wintering redhead ducks in the Laguna Madre of Texas. Texas Chapter of the Wildlife Society, Kerrville.
241. Estrella, J. A., J. T. Anderson, and B. M. Ballard. 2003. Time budgets of female northern pintails wintering along the Texas Gulf Coast. The Wildlife Society, Texas Chapter, Waco, TX.
242. Finger, R. S., B. M. Ballard, M. T. Merendino, J. Hurst, D. S. Lobjeries, and A. M. Fedynich. 2002. Survival of female mottled ducks and ducklings in Texas. Annual meeting of the Texas Chapter of the Wildlife Society, Corpus Christi, TX.
243. Ballard, B. M. 2002 (Invited). The Wildlife Society Certification Program. Texas Chapter of The Wildlife Society Meeting, Corpus Christi, TX.
244. Ballard, B. M. 2001. Breeding and wintering waterfowl research along the Texas Coast. Annual meeting of the Texas Ornithological Society, Corpus Christi, TX.
245. Kloss, C. L., A. M. Fedynich, and B. M. Ballard. 2001. Survey of blood parasites in Ross' and white-fronted geese from southern Texas. Annual meeting of the Texas Chapter of the Wildlife Society, College Station, TX. (*Poster*)
246. Ballard, B. M., J. E. Thompson, M. J. Petrie, R. D. Slack, and D. G. Hewitt. 2001. Nutrient reserve dynamics and diet quality of northern pintails wintering along the Texas coast. Annual meeting of the Texas Chapter of the Wildlife Society, College Station, TX.
247. Ballard, B. M. and J. E. Thompson. 1999. Winter diets of sandhill cranes wintering in Central and coastal Texas. Annual meeting of The Wildlife Society, Austin, TX. (*Poster*)

248. Ballard, B. M., J. E. Thompson, and J. A. Roberson. 1998. Updated research concerning management for the Gulf Coast Subpopulation of sandhill cranes. Central Management Unit Committee, Central Flyway Council spring meeting, Harlingen, TX.
249. Ballard, B. M., J. E. Thompson, and J. A. Roberson. 1997. Management for the Gulf Coast subpopulation of mid-continent sandhill cranes. Sandhill Crane Ad Hoc Subcommittee of the Central Management Unit meeting, Denver, CO.
250. Ballard, B. M., J. E. Thompson, M. T. Merendino, J. D. Ray, J. A. Roberson, and T. C. Tacha. 1997. Demographics of the Gulf Coast subpopulation of mid-continent sandhill cranes. Annual meeting of The Wildlife Society, Snowmass, CO.
251. Igl. L. D. and B. M. Ballard. 1997. Habitat use of migrating and wintering grassland birds in southern Texas. Annual meeting of the Wilson Ornithol. Soc. Manhattan, KS.
252. Ballard, B. M., J. E. Thompson, M. T. Merendino, J. D. Ray, J. A. Roberson, and T. C. Tacha. 1997. Distribution, abundance, subspecific composition, and recruitment of the Gulf Coast subpopulation of mid-continent sandhill cranes. Annual meeting of the Texas Chapter of The Wildlife Society, Beaumont, TX.
253. Terry, R. H., B. M. Ballard, and T. C. Tacha. 1996. Estimating Breeding Pairs and Production of Ducks in the Coastal Plains of Texas. Texas Chapter of The Wildlife Society annual meeting, Wichita Falls, TX.
254. Ballard, B. M. 1996. Managing Agricultural Lands for Geese and Ducks. Farmers, Waterfowl, and Wetlands: Partners for Profit Workshop. Laguna Atascosa NWR, Rio Hondo, Texas.
255. Ballard, B. M. 1996. Agronomic Compromises when Managing Cropland for Geese and Ducks. Farmers, Waterfowl, and Wetlands: Partners for Profit Workshop. Laguna Atascosa NWR, Rio Hondo, Texas.
256. Langshied, T. M., B. M. Ballard, and T. C. Tacha. 1995. Temporal Variation and Habitat Use of Avian Communities in Southern Texas. Texas Chapter of the Wildlife Society Meeting, Kerrville, Texas.
257. Ballard, B. M., and T. C. Tacha. 1994. Avian Responses During Winter to Sorghum Management in Southern Texas. First Annual meeting of The Wildlife Society, Albuquerque, New Mexico.
258. Ballard, B. M., and T. C. Tacha. 1994. Sorghum Management for Birds Wintering in Southern Texas. Texas Chapter of The Wildlife Society Meeting, Nacagdoches, Texas.
259. Ballard, B. M., and T. C. Tacha. 1993. Managing Agricultural Lands for Waterfowl during Winter in Southern Texas. South Texas Wildlife Conference, Kingsville, Texas.
260. Ballard, B. M., and T. C. Tacha. 1993. Habitat Use by Geese Wintering in Southern Texas. Texas Chapter of The Wildlife Society Meeting, Denton, Texas.



## GRANTSMANSHIP

Total funding secured for research program = **\$7,224,110**

- External competitive grants as PI: 42 grants totaling \$3,267,957
- External competitive grants as Co-PI: 9 grants totaling \$1,137,440
- Internal competitive grants as PI: 2 grants totaling \$18,710
- Solicited donations for research program: 4 donations totaling \$2,800,000

### Funded Grants:

1. Giese, J., and **B. M. Ballard**. Reddish egret spatial ecology and susceptibility to disturbance along the Texas coast. Texas Comptroller of Public Accounts, 2024: \$148,031.
2. Gawlik, D. E., **B. M. Ballard**, D. Newstead, J. Gibeaut, G. Stuntz, and D. Yoskowitz. 2022. Colony island network design and implementation (CINDI). NOAA, Department of Commerce; 2024-26: \$178,694.
3. **Ballard, B. M.** Investigating the ecology of the cackling goose during the non-breeding period in the High Plains of Texas. Texas Parks and Wildlife Department, 2022-25: \$299,993.
4. **Ballard, B. M.** Quantifying refugia use by overwintering waterfowl on the Texas coast. Texas Parks and Wildlife Department, 2022-2025: \$191,296.
5. Gawlik, D. E., **B. M. Ballard**, D. Newstead, J. Gibeaut, G. Stuntz, and D. Yoskowitz. 2022. Colony island network design and implementation (CINDI) to recover waterbirds in the Gulf of Mexico: Pilot Study. Knobloch Family Foundation 2022: \$262,131.
6. Schulte, S., R. Lanctot, **B. M. Ballard**, and M. Iglecia. Managing a Landscape for Grassland Obligate Shorebirds in Coastal Texas. National Fish and Wildlife Foundation. 2020: \$86,160.
7. **Ballard, B. M.** and R. Lanctot. Managing a Landscape for Grassland Obligate Shorebirds in Coastal Texas. Knobloch Family Foundation. 2020: \$103,008.
8. **Ballard, B. M.** Comparing spring migration strategies of northern pintails from wintering areas across North America. Ducks Unlimited, Inc. 2019-22: \$74,000.
9. **Ballard, B. M.** Comparing spring migration strategies of northern pintails from wintering areas across North America. U.S. Fish and Wildlife Service, 2018-21: \$225,000.
10. **Ballard, B. M.** Comparing spring migration strategies of northern pintails from wintering areas across North America. Texas Parks and Wildlife Department, 2018-20: \$299,998.
11. **Ballard, B. M.** Comparing spring migration strategies of northern pintails from wintering areas across North America. U.S. Fish and Wildlife Service, 2018-20: \$203,818
12. **Ballard, B. M.** Migration ecology of shorebirds in the Laguna Madre, Texas. Robert J. Kleberg, Jr. and Helen C. Kleberg Foundation, 2018-20: \$182,324.
13. **Ballard, B. M.** Modeling shorebird foraging habitat in the Laguna Madre. Rob and Bessie Welder Wildlife Foundation. \$49,460.

14. Weegman, M., **B. Ballard**, L. Webb, and R. Clark. Quantifying individual decision-making in space and time to link habitat conservation and management from Region 3 to the continent-scale for long-distance migrant shorebirds. U.S. Fish and Wildlife Service. 2017. \$35,448.
15. **Ballard, B. M.** and D. P. Collins. Movement ecology of mid-continent greater white-fronted geese. Texas Parks and Wildlife Department. 2015-2018: \$244,265.
16. **Ballard, B. M.** and D. P. Collins. Estimating current and future habitat use by sandhill cranes wintering along the Texas coast. Texas Parks and Wildlife Department. 2015-2017: \$119,616.
17. **Ballard, B. M.** and A. Thurwalker. Ecology of migrating shorebirds in the Laguna Madre. Pinnel Foundation. 2015: \$100,000.
18. Contreras, S. and **B. M. Ballard**. Bird migration along the Texas Coast. Cowden Charitable Trust. 2014: \$10,000
19. **Ballard, B. M.** and S. Contreras. Understanding bird migration dynamics along the lower Texas coast (phase 2). Robert J. Kleberg, Jr. and Helen C. Kleberg Foundation. 2014: \$96,139
20. **Ballard, B. M.** Effects of wind energy on redhead ducks in southern Texas. U.S. Fish and Wildlife Service. 2013-2015: \$143,000
21. **Ballard, B. M.** Texas Coastal Vegetation Survey. University of Louisiana-Lafayette. 2012-2013: \$22,000
22. **Ballard, B. M.** Bird migration characteristics at an inland site along the lower Texas Coast. Texas A&M University-Kingsville Research Award, 2012-2013: \$14,994
23. **Ballard, B. M.** Nutritional ecology of northern pintails in Texas. Texas Parks and Wildlife Department 2012-2015: \$151,265
24. **Ballard, B. M.** and E. J. Redeker. Decision Support Tool to guide mottled duck management. Gulf Coast CESU. 2012-2013: \$64,000
25. **Ballard, B.M.** Reproductive Ecology of American Oystercatchers. National Fish & Wildlife Foundation/Gulf Coast Bird Observatory. 2012-2013: \$16,740
26. **Ballard, B. M.** Delineation of coastal marsh zones in Texas. Ducks Unlimited, Inc. 2010-2012: \$62,000
27. **Ballard, B. M.** Ecology of Adult Reddish Egrets along the Texas Coast. U.S. Fish and Wildlife Service. 2010-13: \$163,691.
28. **Ballard, B. M.** Molting habitat of western Gulf Coast mottled ducks. Exxon Mobile Corporation. 2010: \$2,500
29. Rasmussen, A. and **B. M. Ballard**. Dynamics of Bird Migration along the Lower Gulf Coast of Texas. Robert J. Kleberg, Jr. and Helen C. Kleberg Foundation. 2008-10: \$450,000
30. **Ballard, B. M.** Seasonal Survival, Movements, and Habitat Use of Western Gulf Coast Mottled Ducks. Ducks Unlimited, Inc. 2008-11: \$297,118
31. **Ballard, B. M.** Ecological Implications of Marsh Management to Waterbirds. Texas Parks and Wildlife Department. 2007-09: \$24,150
32. **Ballard, B. M.** Foraging Ecology of Reddish Egrets in Texas. Fort Worth Zoo. 2008: \$5,000
33. **Ballard, B. M.** Survival, Dispersal and Genetic Variability of Reddish Egrets along the Lower Texas Coast. Ben and Rachel Vaughan Foundation. 2006: \$5,000



34. **Ballard, B. M.** Survival of Western Gulf Coast Mottled Ducks. Ducks Unlimited, Inc. 2006-07: \$15,500
35. DeYoung, R. W., M. Garcia, and **B. M. Ballard.** Detection and Prevalence of Avian Influenza in Feral Swine from Southern Texas. United States Department of Agriculture, APHIS-Wildlife Services. 2007: \$100,000
36. **Ballard, B. M.,** W.P. Kuvlesky, and L.A. Brennan. Dynamics of Bird Migration along the Lower Gulf Coast of Texas. Texas Parks and Wildlife Department. 2006-09: \$123,477
37. **Ballard, B. M.** Lower Laguna Madre Summer Internship. Exxon Mobile Corporation. 2005: \$2,000
38. Kuvlesky, W. P., **B. M. Ballard,** and L. A. Brennan The potential impact of a wind generating facility on bird communities of the lower Texas Gulf Coast. Texas Parks and Wildlife Department. 2005-06: \$51,000
39. **Ballard, B. M.** The role of rice agriculture in the winter ecology of northern pintails. The Rice Foundation. 2004-05: \$15,300
40. **Ballard, B. M.** Student experience in coastal ecology. Coastal Bend Community Foundation. 2005: \$6,000
41. **Ballard, B. M.** Habitat use and survival of northern pintails along the Gulf Coast of Texas. Ducks Unlimited, Inc. 2003-05: \$40,000
42. **Ballard, B. M.** Habitat use and survival of female northern pintails in the rice prairie and coastal regions of Texas. Texas Parks and Wildlife Department. 2002-04: \$54,080.
43. **Ballard, B. M.** Survival and habitat use of female northern pintails in the rice prairie and coastal regions of Texas. U.S. Fish and Wildlife Service, Gulf Coast Joint Venture. 2002-03: \$10,000.
44. **Ballard, B. M.** Relationship between shoalgrass distribution and freshwater availability: Implications for wetland conservation. Texas Coastal Management Program. 2002-03: \$36,423
45. **Ballard, B. M.** Nutrient reserve dynamics of wintering redheads. Texas A&M University-Kingsville Summer Research Initiative. 2002: \$3,716
46. **Ballard, B. M.** The winter ecology of female northern pintails in the rice prairie and coastal regions of Texas. Rosewood Foundation. 2002: \$5,000
47. **Ballard, B. M.** Wintering ecology of female northern pintails in the rice prairie and coastal regions of Texas. Gordon and Mary Cain Foundation. 2002: \$25,000
48. **Ballard, B. M.,** M. J. Petrie, and J. D. James The relationship between shoalgrass abundance and wintering redhead populations in the Laguna Madre of Texas: Implications for wetland conservation. Coastal Bend Bays and Estuaries Program. 2002: \$50,000

49. **Ballard, B. M.** The ecology of redhead ducks in the Laguna Madre Estuary of Texas. Alvin and Lucy Owsley Foundation. 2001–03: \$12,500.
50. **Ballard, B. M.**, M. J. Petrie, and J. D. James. The relationship between shoalgrass abundance and wintering redhead populations in the Laguna Madre of Texas: Implications for wetland conservation. Ducks Unlimited, Inc. 2002–03: \$74,290
51. **Ballard, B. M.**, T. Merendino, and A. M. Fedynich Habitat Use, Movements, and Survival of Female Mottled Ducks and Ducklings during Brood rearing. Texas Parks and Wildlife Department. 2000–02: \$49,792
52. **Ballard, B. M.**, M. J. Petrie, and J. D. James. Grazing Behavior and Nutritional Ecology of Redheads in the Laguna Madre. Rob and Bessie Welder Wildlife Foundation. 2000–03: \$64,000.
53. **Ballard, B. M.** Design and analysis of sandhill crane studies in Texas. North Dakota Game and Fish Department. 1997–98: \$1,500
54. Thompson, J. E., M. J. Petrie, and **B. M. Ballard**. Evaluation of the Laguna Madre as an alternative Wintering site for northern pintails displaced from the Rice Prairies of Texas. Ducks Unlimited, Inc. (IWWR). 1997–99: \$41,000
55. **Ballard, B. M.**, J. E. Thompson, J. A. Roberson. Genetic determination of subspecific composition in the Gulf Coast subpopulation of sandhill cranes. U.S. Fish and Wildlife Service. 1997–98: \$19,803
56. **Ballard, B. M.** Status and Harvest of the Gulf Coast Population of Mottled Ducks. Texas Parks and Wildlife Department. 1996–97: \$9,200
57. Tacha, T. C., **B. M. Ballard**, and J. A. Roberson. Distribution, Abundance, Recruitment, and Subspecific Composition of the Gulf Coast Subpopulation of Mid-continent Sandhill Cranes. Texas Parks and Wildlife Department & U.S. Fish and Wildlife Service. 1995–97: \$101,701

#### MEMBERSHIP IN PROFESSIONAL SOCIETIES

- The Wildlife Society
- Texas Chapter of The Wildlife Society
- Waterbird Society
- Texas Colonial Waterbird Society

#### LEADERSHIP ROLES IN PROFESSIONAL ORGANIZATIONS

##### International/National

- North American Northern Pintail Action Group (2012 to present; Chair 2016-19)
- North American Reddish Egret Recovery Working Group (2005-present)

- IUCN Heron Recovery Group (2009-present)
- I hosted the North American Arctic Goose conference in 2022

#### Regional (multi state)

- Monitoring, Evaluation, & Research Team, Gulf Coast Joint Venture (2002-present)

#### State

- Texas Parks and Wildlife Dept., Migratory Game Bird Advisory Committee (2011-present)
- Laguna Madre Initiative Team, Gulf Coast Joint Venture (2002-present)
- Texas Colonial Waterbird Society Advisory Board (2002-present)
- Texas Chapter of the Wildlife Society
  - President (2009-10)
  - Executive Committee (2007-2011)
  - Local Arrangements Committee, Chair (2005)
  - Student Activities Committee, Chair (2012)
  - Student Activities Committee, member (2003, 2004, 2007, 2013, 2015, 2019)
  - Certification Committee, Chair (2002, 2003, 2004)
  - Membership Committee, Chair (2005)
  - Publications Awards Committee, member (2003)
  - Nominations Committee, Chair (2011)
- James G. Teer Conservation Leadership Institute, Science Advisory Board (2014-15)

### **GRANT AND MANUSCRIPT REVIEW**

#### Grant Reviews

- North American Wetland Conservation Act (twice each year)
- National Fish and Wildlife Foundation

#### Manuscripts reviewed for the following journals:

- American Midland Naturalist
- The Auk
- Biological Conservation
- Conservation Biology
- Great Plains Research

- Ecology and Evolution
- Hydrobiologia
- International Journal of Biodiversity and Conservation
- Journal of Field Ornithology
- Journal of Wildlife Management
- Landscape Ecology
- Prairie Naturalist
- Southeastern Naturalist
- Southwestern Naturalist
- Proceedings of the North American Crane Symposium
- Texas A&M University Press
- Waterbirds
- Wetlands
- Wildlife Monographs
- Wildlife Society Bulletin
- Wilson Journal of Ornithology

## SERVICE: UNIVERSITY COMMITTEE ASSIGNMENTS

- Institutional Animal Care and Use Committee, member, 2010-present
- Faculty Senate, 2013-14, 2014-15, 2015-16, 2016-17, 2021-22
  - Executive Committee, 2015-16, 2021-22
  - Elections Committee, 2013-17
  - Student Rating of Instruction Committee, 2013-15
  - Constitution Review Committee, Chair, 2016-17
  - Resolutions and Bylaws Committee, 2017
- NSF Ethics Investigation Committee, Chair, 2019
- Senate Bill 11 Task Force, 2015
- TAMUK Sustainability Task Force, 2014-16
- Student Rating of Instruction Task Force, 2014
- University Appeals Committee, 2012-13, 2020-21
- Search Committee, Writing Center Director, 2014
- Committee on Assessment and Planning, 2008-10
- Transportation Task Force, 2008
- Class Scheduling Task Force, Chair, 2008
- Faculty Developmental Leave, Chair, 2005-2006
- Graduate Council, member, 2004-2007
- Research Council, member, 2002-2005

### College of Agriculture and Natural Resources committee assignments

- College of Agriculture Promotion and Tenure Task Force, Chair 2017-19
- College of Agriculture Promotions committee, 2019-20, 2020-21
- Dallas Ecological Foundation Scholarship committee, 2001
- AWS Student Excellence Awards committee, 2003
- CKWRI scholarship committee, 2018-20
- Quantitative Ecologist Search Committee, 2010
- Wildlife Education Specialist Search Committee, 2011
- Wildlife Education Specialist Search Committee, 2012
- Associate Director, Geospatial Technologies Search Committee, 2013

**HONORS AND AWARDS**

- 2022 TAMUS Regents Professor
- 2022 Mogart Award for outstanding scientific publication.
- 2021 Senior Teaching Award, College of Agriculture and Natural Resources, Texas A&M University-Kingsville
- 2020 Outstanding Book Award, Texas Chapter of The Wildlife Society
- 2019 Honorary Life-time Membership Award, Texas Chapter of The Wildlife Society
- 2017 Coastal Bend Bays Foundation Conservation Award, Higher Education
- 2016 Senior Research Award, College of Agriculture and Natural Resources, Texas A&M University-Kingsville
- 2016 Wetland Conservation Achievement Award, Ducks Unlimited
- 2012 Distinguished Teacher of the Year, Texas A&M University-Kingsville Javelina Alumni Association
- Texas A&M University Systems Student Recognition Award for Teaching Excellence – Spring 2011
- 2011 Educator of the Year, Texas Chapter of The Wildlife Society
- 2010-11 Senior Teaching Award, College of Agriculture, Natural Resources and Human Sciences, Texas A&M University-Kingsville
- 2008-09 Advising Award, College of Agriculture, Natural Resources and Human Sciences, Texas A&M University-Kingsville
- 2006-07 Junior Teaching Award, College of Agriculture, Natural Resources and Human Sciences, Texas A&M University-Kingsville