

M. CLAY GREEN - VITA**I. ACADEMIC/PROFESSIONAL BACKGROUND**

NAME: M. Clay Green

TITLE: Professor

EDUCATIONAL BACKGROUND

Ph.D. 2003. Environmental and Evolutionary Biology, University of Louisiana at Lafayette, Dissertation Title: The Ecological Significance of Plumage Coloration in Herons.

M.S. 1998. Range and Wildlife Management, Sul Ross State University, Thesis Title: Characteristics and Habitat Selection of a Collared Peccary Population in Trans-Pecos Texas.

B.A. 1992. Soviet and East European Studies, University of Texas at Austin.

UNIVERSITY EXPERIENCE

2024-pres: Associate Dean of Strategic Initiatives and Research, The Graduate College, Texas State University, San Marcos, TX.

2023-2024: Presidential Fellow, Division of Research, Texas State University, San Marcos, TX.

2016-pres: Professor, Department of Biology, Texas State University, San Marcos, TX.

2011-2016: Associate Professor, Department of Biology, Texas State University, San Marcos, TX.

2005-2011: Assistant Professor, Department of Biology, Texas State University, San Marcos, TX.

2004-2005: Postdoctoral Research Associate, Department of Biology, University of Louisiana, Lafayette, LA and Visiting Scientist, U.S.G.S. National Wetlands Research Center.

2002-2003: Instructor, Department of Biology, University of Louisiana, Lafayette, LA.

1999-2002: University Doctoral Fellowship, Department of Biology, University of Louisiana, Lafayette, LA.

1997-1998: Teaching Assistant, Department of Agriculture and Natural Resources, Sul Ross State University, Alpine, TX.

RELEVANT PROFESSIONAL EXPERIENCE

1999: Research Associate, Department of Forestry, Oklahoma State University, Stillwater, OK.

II. TEACHING**COURSES TAUGHT**

Undergraduate Courses (Texas State University)

Field Ornithology (BIO 4418)

Mammalogy (BIO 4422)

Undergraduate Courses (University of Louisiana)

Introduction to Biological Principles I (BIO 121)

Introduction to Biological Principles II (BIO 122)

Graduate Courses (Texas State University)

Mammalogy (BIO 5422)

Field Ornithology (BIO 5418)

Avian Ecology and Evolution (BIO 7103I)

Integrated Waterbird Management (BIO 7103H)

Waterbird Management (BIO 7328)

Conservation Biology (BIO 7346)

Spatial Ecology of Animals (BIO 7360Q)

GRADUATE THESES/DISSERTATIONS

Graduate Students (Advisor, completed)

27. Robert Finan. Spring 2023. Wintering Reddish Egret (*Egretta rufescens*) foraging response to environmental variability on the southern Texas coast. M. Sc. Thesis. (1 peer-reviewed publication in press from his graduate work).
26. Brendan Mulhall. Spring 2023. The influence of nest site characteristics on nest success and parasitism of black-capped vireos in the southwestern Edwards Plateau. M. Sc. Thesis. (1 peer-reviewed publication in press from his graduate work).
25. Jonah Gula. Spring 2021. Distribution mapping and niche characterization of the endemic African storks. M.Sc. Thesis. (1 peer-reviewed publication from his graduate work).
24. Josh Renner. Summer 2020. Assessing wildlife permeability of a South Texas highway. M.Sc. Thesis.
23. Amanda Haverland. (Co-advised with Dr. Butch Weckerly). Summer 2019. Resiliency and redundancy of Black Rail populations in Texas. Ph.D. Dissertation. (1 peer-reviewed publication from her graduate work, 1 peer-reviewed publication in review).
22. Christina Farrell. Fall 2018. Winter roost site selection of black-crested titmice. M.Sc. Thesis. (1 peer-reviewed publication from her graduate work)
21. Anna Matthews. Summer 2018. Modeling detection and density using distance sampling for three priority grassland bird species in Texas. M.Sc. Thesis.
20. Sarah Durham. Spring 2018. Population viability of Reddish Egrets (*Egretta rufescens*) in Texas: a system dynamics approach to conservation and management of North America's rarest heron. M.Sc. Thesis. (1 peer-reviewed publication from her graduate work).
19. Jarred Barr. Fall 2017. Evaluation of unmanned aerial vehicles for surveying colonial waterbirds. M.Sc. Thesis. (2 peer-reviewed publications from his graduate work)
18. James Tolliver. (Co-advised with Dr. Butch Weckerly). Spring 2017. Occupancy and abundance of Black Rails in Texas. M.Sc. Thesis. (1 peer-reviewed publication from his graduate work)
17. Nathan Trimble. Spring 2016. The ecology of colonial nesting Green Herons in south Texas. M.Sc. Thesis. (1 peer-reviewed publication from his graduate work)
16. Rebekah Rylander. Fall 2015. Mr Parid's Neighborhood: an examination of flock dynamics of black-crested titmice in the Edwards Plateau, Texas. M.Sc. Thesis. (1 peer-reviewed publication from her graduate work).
15. Golya Shahroki. Fall 2015. Genetic differentiation in Reddish Egrets across the range of the species. M.Sc. Thesis. (1 peer-reviewed publication from her graduate work).

14. Lorissa Digiacomo, M.Sc., Spring 2015. The influence of light and temperature on nest site selection in swallows. M.Sc. Thesis. (1 peer-reviewed publication from her graduate work).
13. Sara Harrod, M.Sc., Fall 2014. Effects of edge and habitat on nesting success in cavity nesting avifauna. M.Sc. Thesis. (1 peer-reviewed publication from her graduate work)
12. Amanda Moore, M.Sc., Fall 2014. The effects of human disturbance on the nesting and foraging ecology of Green Herons. M.Sc. Thesis. (2 peer-reviewed publication from her graduate work).
11. Alexandra (Sasha) Munters, M.Sc., Spring 2014. Nesting ecology and reproductive behavior of American Oystercatchers. M.Sc. Thesis. (2 peer-reviewed publications from her graduate research).
10. Jeff Troy, Ph.D., Spring 2013. Investigation of Newell's shearwater and Hawaiian petrel breeding habitat requirements through remote sensing and microhabitat studies. Ph.D. Dissertation. (4 peer-reviewed publications from his doctoral graduate work, 1 additional publication from side project with me)
9. David Morgan, M.Sc., Fall 2012. Foraging ecology and forage availability for the black-capped vireo (*Vireo atricapilla*). M.Sc. Thesis. (1 peer-reviewed publication from his graduate work).
8. Stephanie Morgan, M.Sc., Summer 2012. Bat species and habitat use in Trans-Pecos Texas. M.Sc. Thesis.
7. Brock Geary, M.Sc., Spring 2012. Movement and juvenile survival of Reddish Egrets on the Texas coast. M.Sc. Thesis (4 peer-reviewed publications from his graduate work).
6. Sean Rissel, M.Sc., Spring 2011. Evaluation of the species status and development of habitat suitability model for the Gulf Coast Kangaroo Rat *Dipodomys compactus*. M.Sc. Thesis.
5. William Simper, M.Sc., Fall 2010. Cost-distance analysis of interpatch connectivity for an endangered avian migrant inhabiting a fragmented preserve network. M.Sc. Thesis (1 peer-reviewed publication from his graduate work).
4. Amber Jonker, M.Sc., Fall 2010. (Co-Advisor with Floyd Weckerly). Modeling the relationship between estimates of local occupancy and local abundance in avian species. M.Sc. Thesis
3. Austin Hill, M.Sc., 2009. Molecular genetic assessment of population structure, paternity, and sex ratios for the reddish egret. M.Sc. Thesis. (5 peer-reviewed publications from his graduate work)
2. Zachary Holderby, M.Sc., 2009. Differences in reproductive ecology and behavior of the polymorphic reddish egret (*Egretta rufescens*). M.Sc. Thesis. (4 peer-reviewed publications from his graduate work)
1. Bobby Polak, M.Sc., 2008. Influence of human recreational activities and vegetative characteristics on waterbird abundance. M.Sc. Thesis.

Post-Doctorates

1. Daniel Guerra, Ph.D., Research Associated, 2024-2025.
2. Bryan Tarbox, Ph.D., Research Associate, 2017-2020.

Graduate Students (Advisor, in progress)

4. Indra Acharja, *Expected Fall 2027*. Ph.D. student. Population ecology and survival of White-bellied Heron in Bhutan.
3. Pema Khandu, *Expected Fall 2026*. Ph.D. student. Factors influencing breeding ecology of White-bellied Heron
2. Jared Ryan. *Expected Spring 2025*. M.S. student. Reddish Egret nesting ecology and the influence of habitat and plumage coloration nesting success.
1. Michelle Adcock. *Expected Summer 2025*. Ph.D. student. Road ecology and the influence of landscape on wildlife crossing in south Texas.

Graduate Students (Committee member)

70. Brian McElligott. M.Sc. 2025. Towards a temporal theory of ecology: Body mass role for activity patterns of North American artiodactyls.
69. Abigail Meeks. Ph.D. 2025. Human dimensions of recreational disturbance of waterbirds.
68. Eleanor Krellenstein. M.Sc. 2024. Assessing the distribution and survival of mussel communities in the Upper Colorado River Basin, Texas after exceptional drought conditions.
67. Jordan Daniels. M.Sc. 2024. Spatial variability in selenium: mercury molar ratios and selenium health benefit values in fishes and shellfishes from the Matagorda Bay system and the San Antonio Bay.
66. Liam McInerney. M.Sc. 2023. Comparison of mercury concentrations in fishes and shellfishes from Matagorda Bay and San Antonio Bay, Texas.
65. Jacob Smith. M.Sc. 2023. Foraging behavior of white-tailed deer consuming acorns.
64. Tate Gregory. M.Sc. 2023. M.Sc. Non-Thesis.
63. Jorge Maldonado. M.Sc. 2023. Effects of age, gut fill, and sex on dressed mass – whole mass relationships of white-tailed deer.
62. Brooke Laycock. M.Sc. 2023. Investigating the effectiveness of mindfulness on coastal recreationists to mitigate waterbird disturbance.
61. Stefanie Bergmanson. M.Sc. 2022. Activity levels related to lunar brightness and diel activity patterns of Tapiridae and Felidae across Neotropical sites.
60. Margaret Stoneham. M.Sc. 2022. Temporal activity partitioning in a carnivore assemblage from Neotropical sites.
59. Tania Pena. M.Sc. 2022. Endangered fishes, invasive parasites and migratory birds: a habitat modification plan designed to mitigate parasite spillover.
58. Jenni VanHoye. M. Sc. 2022. Non-thesis.
57. Kyle Krebs. M.S. 2022. Mercury accumulation and tissue distribution in waterbirds overwintering in Texas.
56. Michaela Livingston. M.S. 2022. Trace element concentrations among functional feeding groups in the estuarine food web in Middle Hempstead Bay, Long Island, New York.
55. Willis Sontheimer. M.S. 2022. Factors influencing scaling relationships of body mass and antler mass in white-tailed deer (*Odocoileus virginianus*)
54. Elizabeth Kurpiers. M.S. 2022. Implications of cropping rate variability on the costs of vigilance.
53. Shashwat Sirsi. Ph.D. 2021. The impact of dispersal assessment methods on the resulting management interpretations of endangered species stewardship.

52. Nicholas Johns. M.S. 2021. Does urbanization facilitate the establishment of introduced Monk Parakeet populations?
51. Zaavian Espinoza. M.S. 2020. Drivers of a temporal change in the adult sex ratios of population of Roosevelt Elk.
50. Kayla Hayes. M.S. 2020. Comparing life history traits and responses to environmental variation between mussel species in the San Saba River.
49. Lee Williamson. M.S. 2020. Food supply early in the plant growing season: influences from elk abundance and precipitation.
48. Jeremiah Leach. M.S. 2019. The distribution and abundance of an invasive eyefluke in waterfowl in Texas.
47. Sara Weaver. Ph.D. 2019. Understanding wind energy impacts to bats and reduction strategies in South Texas.
46. Nicole Davis. Ph.D. 2019. Predicting future range expansion of whooping crane winter habitat using long-term census and remotely sensed data.
45. Sterling Spilinek, M.Sc. 2019. Rumen-reticulum organ mass and rumen mucosa surface area of white-tailed deer consuming two diets.
44. Kelby Clements, M.Sc. 2018. Experimental tests of the effects of exotic heterophyid metacercariae on the swimming endurance of small fish hosts.
43. Aaron McGuire, M.Sc. 2018. Roosevelt Elk response to a newly available habitat patch.
42. Silas Ott, M.Sc. 2018. Distribution of the Texas Kangaroo Rat in Texas; with comments on microhabitat, habitat, and habitat modeling.
41. Brian Gold, M.Sc. 2018. The role of birds as hosts for ticks, vectors of *Borrelia burgdorferi*, in Eastern Texas.
40. Kristen Newcomer, M.Sc. (Geography). Spring 2017. Historical riparian habitat changes of an endangered bird species: interior least terns along the Red River below Denison Dam.
39. Joe Jandle, M.Sc. 2016. Grazing effects on the Avian Community of a Texas Hill Country Ranch.
38. Madeleine Marsh. 2016. Effects of red imported fire ants (*Solenopsis invicta*) on juvenile Houston toads (*Bufo houstonensis*) in a coastal prairie grassland. M.Sc. Thesis.
37. Jessica Thornton, M.Sc., 2015. M.Sc. Non-Thesis.
36. Gayatri Bhaskar, M.Sc., Fall 2015. Correlation between liver and rumen-reticulum weights in white-tailed deer.
35. John Muller, M.Sc., 2015. Landscape scale habitat association of Sprague's pipit (*Anthus spragueii*) overwintering in the southern United States. M.Sc. Thesis.
34. Lauren Schumacher, M.Sc., 2015. Population genetics of the Big Bend slide (*Trachemys gaigeae gaigeae*) and the red eared slider (*Trachemys scripta elegans*) in the contact zone in the lower Rio Grande drainage of Texas. M.Sc. Thesis.
33. Anjana Parandhaman, M.Sc., 2015. Using a habitat suitability model and molecular analyses to aid in the conservation and management of the Texas tortoise, *Gopherus berlandieri*. M.Sc. Thesis.
32. Rebecca Bracken, M.Sc., 2015. M.Sc. Non-Thesis
31. Sarah Weber, M.Sc., 2015. Nesting by Golden Eagles on the Nevada Testing and Training Facility. M.Sc. Thesis.
30. Howland J. Reich, M.Sc., 2015. Rio Grande Beaver survey in Big Bend National Park. M.Sc. Thesis.
29. Lauren Cody, M.Sc., 2015. Small mammal communities and urban land cover associations in

- San Marcos, Hays County, TX. M.Sc.
28. Daniel Wolcott, Ph.D., 2015. Understanding body development of ungulates in variable environments. Ph.D. Dissertation.
 27. Adam Duarte, Ph.D., 2015. Population ecology and habitat conservation for the Golden-cheeked Warbler. Ph.D. Dissertation.
 26. Paul Samilpa, M.Sc., 2014. M.Sc. Non-Thesis
 25. Matthew Donahue, M.Sc., 2014. M.Sc. Non-Thesis
 24. Heath Starns, M.Sc., 2014. Impacts of Roosevelt elk herbivory on primary productivity in Redwood National and State Parks. M.Sc. Thesis.
 23. Joseph Flores, M.Sc., 2012. Thermal aspects of the nesting ecology of red-eared sliders and Texas river cooters at Spring Lake, Hays county, Texas. M.Sc. Thesis.
 22. Megan Smith, M.Sc., 2012. M.Sc. Non-Thesis.
 21. Claire Parra, M.Sc., 2012. Body weight and age influences on liver weight in white-tailed deer: implications for reproductive effort. M.Sc. Thesis.
 20. Hayley McCardle, M.Sc., 2012. Albinism in Wild Vertebrates. M.Sc. Thesis.
 19. Elanor Dean. 2012, M.Sc., Roost site characteristics of great-tailed grackles in Texas. M.Sc. Thesis.
 18. Brian Dickerson, M.Sc., 2010. Road density as a proxy for urbanization effects on *Trachemys scripta elegans* in the Lower Rio Grande Valley. M.Sc. Thesis.
 17. Cory King, M.Sc., 2010. Habitat use by great-tailed grackles in urban and peri-urban areas of San Marcos, Texas. M.Sc. Thesis.
 16. Leska Sieber, M.Sc., 2010. M.Sc. Non-Thesis.
 15. Mary Tibbets, M.Sc., 2009. Effects of recreational activity on the avian community of green spaces within Sunset Valley, Texas. M.Sc. Thesis.
 14. Amy Connelly, M.Sc., 2009. Defining habitat for the recovery of ocelots (*Leopardus pardalis*) in the United States. M.Sc. Thesis.
 13. Joshua Perkin, M.Sc., 2009. Long-term changes in flow regime and fish assemblage composition in the San Marcos and Guadalupe Rivers. M.Sc. Thesis.
 12. Macy Brown, M.Sc., 2009. Effects of seasonal burns on avian foraging in a central Texas ashe juniper-live oak savanna. M.Sc. Thesis.
 11. Daniela Buzo, M. Sc., 2008. A GIS model for identifying potential breeding habitat for the Houston Toad, M.Sc. Thesis.
 10. Jason Stayer, M.Sc., 2008. Red-tailed hawk (*Buteo jamaicensis*) presence along roadside corridors in relation to urban environment characteristics in Austin, Texas. M.Sc. Thesis.
 9. Clint Faas, M.Sc., 2008. Habitat interference by exotic axis deer (*Axis axis*) on native white-tailed deer (*Odocoileus virginianus*) in Texas. M.Sc. Thesis.
 8. Kaci Myrick, M.Sc., 2008. Vascular plant and vertebrate species richness in national parks of the eastern United States. M.Sc. Thesis.
 7. Alycia Washington, M.Sc., 2008. Site selection and survival of *Pseudemys texana* and *Trachemys scripta elegans* nests at Spring Lake in San Marcos, Texas. M.Sc. Thesis.
 6. Tiffany Kuhlman, M.Sc., 2007. The predominant definitive avian hosts of the invasive avian trematode, *Centrocestus formosanus*, in the headwaters of the Comal, San Antonio, and San Marcos rivers of Central Texas. M.Sc. Thesis.
 5. John Lindsey, M.Sc., 2007. Using landscape-level data to predict presence of Hammond's flycatcher, dusky flycatcher, and gray flycatcher in dry-pine forests of north-central Washington. M.Sc. Thesis.

4. Rosalinda Gonzalez, M.Sc., 2007. Male mate choice in relation to female size in the sailfin molly, *Poecilia latipinna*. M.Sc. Thesis.
3. Katherine Richardson, M.Sc., 2006. Social incompatibility, alarm state, and sexual segregation in urban white-tailed deer. M.Sc. Thesis
2. Stephanie Singleton, M.Sc., 2006. Summer habitat use by waterbirds and waterfowl at a biosolids facility. M.Sc. Thesis
1. Jeff Troy, M.Sc., 2005. Foraging ecology of Eastern Phoebe in central Texas. M.Sc. Thesis.

Graduate Students (External committee member)

2. Lianne Koczur, Ph.D. 2017. Movement and migration ecology of Reddish Egrets. Ph.D. Dissertation, Texas A&M Kingsville.
1. Scott Walter, Ph.D., 2012. Brown pelican ecology and conservation in Louisiana. Ph.D. Dissertation, University of Louisiana at Lafayette.

AWARDS/RECOGNITION RECEIVED BY ADVISED GRADUATE STUDENTS

39. Indra Acharja was awarded a Doctoral Research Support Fellowship from The Graduate College, 2025-2026 (\$5,000).
38. Pema Khandu was awarded a Rufford Foundation Small Grant, 2025 (£11,900)
37. Pema Khandu was awarded a WILDLABS grant, 2025 (\$10,000)
36. Indra Acharja was awarded a grant from the Zoological Association of America, 2024 (\$5,000).
35. Pema Khandu was awarded the World Wildlife Foundation Russell E. Train Fellowship, 2024 (\$28,726).
34. Pema Khandu was awarded the Kushlan Research Award in Ciconiiform Biology and Conservation from the Waterbird Society, 2024 (\$6,755).
33. Pema Khandu was awarded the John P. Eben and Dorothy Eben Elledge Endowed Scholarship, 2023 (\$2,350)
32. Pema Khandu was awarded the Glenn Longley/San Marcos Lions Club Scholarship, 2023-2024 (\$2,000)
31. Pema Khandu was awarded the Wildlife Conservation Network Scholarship Award. 2023-2024 (\$5,000)
30. Pema Khandu was awarded the Alpha Kappa Alpha Educational Advancement Foundation Award, 2023-2024 (\$1,000)
29. Pema Khandu was awarded the Graduate College Merit Fellowship, 2022 (\$6,000).
28. Michelle Adcock was awarded the American Association of University Women (AAUW) Dissertation Fellowship Award, 2022-2023 (\$20,000).
27. Jared Ryan was awarded \$1,995 from the Texas State University Graduate College (Thesis Research Fellowship, 2021-2022).
26. Jared Ryan was awarded \$1,000 from the Coastal Bend Audubon Society Bird Conservation Research Award (2021).
25. Robert Finer was awarded \$1,000 from the Coastal Bend Audubon Society Bird Conservation Research Award (2020).
24. Jonah Gula was awarded \$4,128 from the Kushlan Research Award in Ciconiiform Biology and Conservation from the Waterbird Society (2020).

23. Robert Finer was awarded \$2,000 from Texas State University Graduate College (Thesis Research Fellowship, 2020-2021).
22. Jonah Gula was awarded an unmanned aerial system (~\$800) from IDEA WILD.
21. Jonah Gula was awarded the Lamar and Marilyn Johnson Award from Texas State University (\$1,061).
20. Jonah Gula was awarded 5 satellite transmitters (~\$20,000) from Microwave Telemetry Rising Scholar Award.
19. Jonah Gula was awarded \$2,000 from the Texas State University Graduate College (Thesis Research Fellowship, 2018-2019).
18. Jonah Gula was awarded \$6,320 from the African Bird Club Expedition Award for his thesis research (2018).
17. Sarah Durham was awarded \$600 from the Kushlan Research Award in Ciconiiform Biology and Conservation from the Waterbird Society (2016).
16. Jarred Barr was awarded \$2,000 from the Texas State University Graduate College (Thesis Research Fellowship, 2016-2017).
15. Anna Matthews was awarded a Freeman Center Fellowship (\$3,000) for her thesis research (2015-2016).
14. Golya Shahrokhi was awarded \$2,000 from the Texas State University Graduate College (Thesis Research Fellowship, 2015-2016).
13. Golya Shahrokhi was awarded the *Best Poster Student Presentation* at the 39th Annual Meeting of the Waterbird Society, Bar Harbor, Maine, August 2015.
12. Golya Shahrokhi was awarded \$3,860 from the Kushlan Research Award in Ciconiiform Biology and Conservation from the Waterbird Society (2014)
11. Amanda Moore was awarded \$900 from the Texas Ornithological Society for her thesis research on the effects of human recreation on foraging and nesting Green Herons (2014).
10. Sara Harrod was awarded \$1,000 from the Texas Ornithological Society for her thesis research on cavity nesting birds (2013).
9. Sara Harrod was awarded \$600 from the North American Bluebird Society for her thesis research on Eastern Bluebirds and cavity nesting birds (2013).
8. Brock Geary was awarded the Texas State University Associated Student Government scholarship (2011)
7. Jeff Troy was awarded the Texas State University Associated Student Government scholarship (2011)
6. David Morgan was awarded the Houston Safari Club scholarship (2010 and 2011)
5. Bryan Carethers was awarded the Houston Safari Club scholarship (2009 and 2010)
4. Jeff Troy was awarded NSF GK-12 Flowing Waters Fellowship (2009-2010, 2010-2011)
3. Austin Hill was awarded the Kushlan Research Award in Ciconiiform Biology and Conservation from the Waterbird Society in the amount of \$1,700 for his M.S. thesis research (2008).
2. Jeff Troy was awarded best poster presentation at the 32nd Annual Meeting of the Waterbird Society in South Padre Island, Texas, November 5-8, 2008
1. Bobby Polak was awarded 3rd place in the Student Poster Competition at Texas Chapter of the Wildlife Society Annual Meeting in Beaumont, Texas, Feb 14-16, 2006.

COURSES PREPARED AND CURRICULUM DEVELOPMENT

1. BIO 7360Q Spatial Ecology of Animals. (3-0) Spatial ecology of animals blends the disciplines of population ecology, behavioral ecology and landscape ecology. This course is intended to critically examine the concepts and techniques encompassing spatial ecology of animals. Students will gain “real-world” experience applying these concepts and techniques (e.g., GIS) during this course.
2. BIO 4422/5422 Mammalogy. (3-3) The taxonomy, distribution, ecology, behavior, and evolution of mammals with particular emphasis on wild mammals of the Southwest. Laboratory will emphasize anatomy, identification, preparation of specimens, and field exercises in methods of population analysis. Students may assemble representative mammal collection.
3. BIO 7328 Integrated Waterbird Management. (3-0) This course examines the principles and practical methodology of integrated waterbird conservation and management, including overview of waterbird ecology, techniques in monitoring and data collection related to population dynamics, and habitat parameters of waterbird species. Field trips may be required.
4. BIO 7346 Conservation Biology. (3-0) Examination of the alteration of habitats and associated biological changes threatening the continued existence of species and basic ecosystems. Topics include conservation ethics, working paradigms, levels and loss of global biodiversity, conservation at population and ecosystem levels, restoration ecology, endangered species biology and conservation laws. Recent Advances are stressed.
5. BIO 7103I Avian Ecology and Evolution (1-0). This course will be an interactive discussion of avian ecology and evolution, designed to go beyond the textbook knowledge of avian ecology and evolution and provide the students with a critical examination of the theories, hypotheses, and lab and field-based data that support or refute these hypotheses.
6. BIO 7102 Wetland Wildlife Ecology (1-0). This course focuses on the ecology and management of waterbirds, reptiles, amphibians, fishes, and fur-bearing mammals associated with wetlands with an emphasis on the wetland wildlife of Texas (both inland and coastal). This course will use readings to explore the ecology and management of wetland wildlife.
7. BIO 4418/5418 Field Ornithology (3-3). This course is designed to introduce and provide an advanced knowledge of the application of various field, laboratory, and statistical methods and techniques in the study of avian species. The course will include topics related to survey methodology, sampling design, marking/banding, measurement/sample extraction, and aging/sexing of avian species.

III. SCHOLARLY/CREATIVE ACTIVITIES

REFEREED JOURNAL ARTICLES

* Student author

65. Mulhall, B.M.*, M.C. Green and J.J. Giocomo. 2025. Black-capped Vireos (*Vireo atricapilla*) Increase Use of Juniper as a Nest Substrate During Drought. Southwestern Naturalist 68: 285-293. doi: 10.1894/0038-4909-68.4.5
64. Acharja, I.P.*, Y. Okahisa, M.C. Green, T. Lhendup, S. Tshering, T. Phuntsho, T. Tobgay, L. Lungten, J. Tshering, and S. Leki. 2025. Investigation of effective conservation measures for the critically endangered, White-bellied Heron *Ardea insignis* using an Integrated

- Population Model and Bayesian Population Viability Analysis. *Avian Conservation & Ecology* 20:19. doi: 10.5751/ACE-02833-200119.
63. Sirsi, S.*, B.J. Halstead, M.L. Morrison, M.C. Green, D. Rodriguez, and M.R.J. Forstner. 2025. Comparing the utility of capture-mark-recapture, telemetry, and genetic data in assessing population-level dispersal. *Diversity* 17: 163; doi.org/10.3390/d17030163
62. Finer, R.T.*, and M.C. Green. In Press. Wintering Reddish Egret (*Egretta rufescens*) foraging response to environmental variability on the southern Texas Gulf Coast. *Waterbirds* XXXX
61. Ryan, J.*, M.C. Green, and T.P. Gocha. 2025. Red-tailed Hawk competition and consumption of human carrion during Winter Storm Uri in Central Texas. *Journal of Raptor Research* 59:jrr2439. doi: 10.3356/jrr2439
60. Green, M.C. 2023. History of the Reddish Egret International Working Group and Conservation Planning for the Species. *Journal of Heron Biology and Conservation* 8:1 [online] www.heronconservation.org/JHBC/vol08/art01/
59. Weseloh, D.V.C., M. Clay Green, D. Harebottle and K. Matsunaga. 2022. Research summaries from the virtual Herons of Worldwide Conservation Concern Symposium, 2021. *Journal of Heron Biology and Conservation* 7:6 [online] www.heronconservation.org/JHBC/vol07/art06/
58. Gula, J.*, M.C. Green, S. Fritts, W.R.J. Dean and K.S.G. Sundar. 2022. Assessments of range-wide distribution of six African storks and their relationships with protected areas. *Ostrich* 93(1): 34-52.
57. Haverland, Amanda A.* and M. Clay Green. 2022. Longevity and site fidelity of a banded Green Heron (*Butorides virescens*) in Texas, USA. *Journal of Heron Biology and Conservation* 7:2 [online] www.HeronConservation.org/JHBC/vol07/art02/.
56. Haverland, A.A.*, M.C. Green, F. Weckerly and J.K. Wilson. 2021. Black Rail home range and habitat selection in late winter and early breeding season in coastal Texas. *Waterbirds* 44(2): 222-233.
55. Collins, S.A., W. Selman, M.C. Green and W.T. Strong. 2021. Reproductive Ecology and Nest Success of Reddish Egrets on a Natural Marsh Island in Southwestern Louisiana. *Waterbirds* 44(1): 1-12.
54. Shahrokhi, G.*, M.C. Green, D. Rodriguez, S. Collins, G. Kent, K. Meyer and E. Palacios. 2020. A re-evaluation of management units based on gene flow of a rare waterbird in the Americas. *Biotropica* 52(6): 1107-1114.
53. Barr, J.R.*, M.C. Green, S.J. DeMaso, and T.B. Hardy. 2020. Drone surveys do not increase colony-wide flight behavior at waterbird nesting sites, but sensitivity varies among species. *Scientific Reports* 10:3781.
52. Farrell, C.* and M.C. Green. 2020. Winter roosting behavior of the black-crested titmouse in central Texas. *Bulletin of the Texas Ornithological Society* 52:21-28.
51. Koczur, L.M., M.C. Green, B.M. Ballard, P.E. Lowther, and R.T. Paul. 2020. Reddish Egret (*Egretta rufescens*), version 2.0. In *The Birds of North America* (P.G. Rodewald, Editor). Cornell Lab of Ornithology, Ithaca, NY, USA.
50. Trimble, N.* and M.C. Green. 2018. Nesting ecology and the influence of nearest neighbor on nesting Green Herons. *Bulletin of the Texas Ornithological Society* 51:32-41.
49. Weseloh, D.V.C. and M.C. Green. 2018. Herons of the World Symposium: Their Biology and Conservation – an Introduction. *Waterbirds* 41:341-344.
48. Shah, J.N., S. Javed, S.A.S.B. Khan, A.A. Al Hammadi, E.A. Al Hammadi, P.S. Soorae, S.S.

- Al Dhaheri, S.E. Durham* and M.C. Green. 2018. Distribution and temporal trends of Western Reef Heron (*Egretta gularis*) populations along the Arabian Gulf Coast of Abu Dhabi, United Arab Emirates. *Waterbirds* 41:376-383.
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52. Geary, B.* , Green, M. C., Ballard, B. M. Reed, D.* and W. Howe. 2011-2012. Movements and survival of juvenile Reddish Egrets along the Gulf coast: initial observations. The 34th Annual Meeting of the Waterbird Society, Grand Island, Nebraska AND The 16th Annual Texas State Biology Student Colloquium.
51. Troy, J. R.* , N. D. Holmes, J. A. Veech, and M. Clay Green. 2012. Terrestrial habitat suitability modelling for Newell's Shearwaters on Kauai. 39th Meeting of the Pacific Seabirds Group. Turtle Bay, HI.

50. Green, M. C., B. Geary*, D. Reed*, B. Ballard, A. Hill* and E. Palacios. 2012. Movement and gene flow throughout the breeding range of North America's rarest heron, the Reddish Egret. 5th North American Ornithological Conference, Vancouver, B.C., Canada.
49. Ballard, B., M.C. Green, D. Reed*, and B. Geary*. 2012. Migration routes and wintering sites of Reddish Egrets breeding in Texas. 5th North American Ornithological Conference, Vancouver, B.C., Canada.
48. Koczur, L.* , A. Munters*, B. Ballard, M.C. Green and S. Heath. 2012. Nest success and chick survival of American oystercatchers in Texas. 5th North American Ornithological Conference, Vancouver, B.C., Canada.
47. Abuzeineh, A. A.* , J. R. Troy*, M. M. Chumchal, M. C. Green, W. H. Nowlin. 2011. Transfer of mercury across ecosystem boundaries in arid streams. Society of Environmental Toxicology and Chemistry (SETAC), Boston, Massachusetts.
46. Troy, J. R.* , N. D. Holmes, and M. Clay Green. 2011. Modeling artificial light viewed by fledgling seabirds. 16th Annual Biology Colloquium. Texas State University.
45. Geary, B.* , Green, M. C., Ballard, B. M. Reed, D.* and W. Howe. 2011. Movements and survival of juvenile Reddish Egrets along the Gulf coast: the first year of life. 96th ESA Annual Meeting, Austin, Texas.
44. Geary, B.* , Green, M. C., Ballard, B. M. Reed, D.* and W. Howe. 2011. Use of satellite telemetry to observe first-year movements and survival of juvenile Reddish Egrets on the Gulf coast. The 48th Annual Meeting of the Texas Chapter of the Wildlife Society, Fort Worth, Texas AND The 35th Annual Meeting of the Waterbird Society, Annapolis, Maryland AND The Third International Research Conference for Graduate Student Research, San Marcos, Texas.
43. Reed, D. J.* , B. M. Ballard, B. Geary*, M. Clay Green, and W. Howe. 2011. Seasonal movements of adult reddish egrets marked with satellite transmitters. Waterbird Society, Annapolis, Maryland.
42. 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.
41. Reed, D. J.* , B. M. Ballard, B. Geary*, M. Clay Green, and W. Howe. 2011. Seasonal movements of adult reddish egrets marked with satellite transmitters. Texas Colonial Waterbird Society, Corpus Christi.
40. Morgan, D.T.* , M.C. Green, M.L. Morrison, and T.R. Simpson. 2011. Foraging ecology of the Black-Capped Vireo (*Vireo atricapilla*). Oral Presentation. Texas Chapter of the Wildlife Society Annual Meeting, San Antonio, TX.
39. Reed, D. J.* , B. M. Ballard, B. Geary*, M. C. Green, and W. Howe. 2011. Seasonal movements of adult reddish egrets from Texas colonies. Texas A&M University-Kingsville Javelina Research Symposium, Kingsville.
38. Geary, B. * , M. C. Green, B. Ballard, D. Reed*, and W. Howe. 2011. Movements and survival of juvenile Reddish Egrets along the Gulf Coast: Initial observations. Joint Meeting of the 11th North American Crane Workshop and the 34th Annual Meeting of The Waterbird Society, Grand Island, NE.
37. Reed, D. * , B. Ballard, M.C Green, B. Geary*, and W. Howe. 2011. Seasonal movements of adult Reddish Egrets from Texas colonies. Joint Meeting of the 11th North American Crane Workshop and the 34th Annual Meeting of The Waterbird Society, Grand Island, NE.

36. Troy, J. R. *, N. D. Holmes and M. C Green. 2011. Modeling artificial light viewed by fledgling seabirds. Joint Meeting of the 11th North American Crane Workshop and the 34th Annual Meeting of The Waterbird Society, Grand Island, NE.
35. Morgan, D.T.*, M.C. Green, and M.L. Morrison. 2010. Foraging ecology and food availability for the Black-Capped Vireo (*Vireo atricapilla*). Poster presentation. 2010 Black-Capped Vireo Symposium, Austin, TX.
34. Troy, J. R.*, N. D. Holmes, J. A. Veech, and M. C. Green. 2010. A breeding habitat suitability model for the Newell's Shearwater. 1st World Seabird Conference, Victoria, British Columbia.
33. Troy, J. R.*, N. D. Holmes, J. A. Veech, and M. C. Green. 2010. A breeding habitat suitability model for the Newell's Shearwater. 18th Annual Hawaii Conservation Conference. Honolulu, HI.
32. Morgan, D.T.*, M.C. Green, and M.L. Morrison. November 2010. Foraging ecology and food availability for the Black-Capped Vireo (*Vireo atricapilla*). Oral Presentation. Texas State University, International Research Conference for Graduate Students, San Marcos, TX.
31. Troy, J. R.*, N. D. Holmes, J. A. Veech, and M. C. Green. 2010. Development of the first Newell's shearwater breeding habitat suitability model using a geographic information system. 57th Annual Meeting of the Southwestern Association of Naturalists. Junction, TX.
30. Troy, J. R.*, N. D. Holmes, J. A. Veech, and M. C. Green. 2010. Development of the first Newell's shearwater breeding habitat suitability model using a geographic information system. 113th Annual Meeting of the Texas Academy of Science. Stephenville, TX.
29. Troy, J. R.*, N. D. Holmes, and M. C. Green. 2009. Development of the first Newell's shearwater breeding habitat suitability model using a geographic information system. 33rd Annual Meeting of the Waterbird Society. Cape May, NJ.
28. Hill, A.*, M.C. Green, C. Nice., and E. Palacios. "Population genetic structure of the Reddish Egret" at the 33rd Annual Meeting of the Waterbird Society, Cape May, New Jersey, November 2009.
27. Green, M.C., A. Hill*, Z.P. Holderby*, and J. Troy*. "Status of Reddish Egrets on Great Inagua, Bahamas with comments on territoriality in nesting pairs." At the Annual Meeting of the Waterbird Society, Cape May, New Jersey, November 2009.
26. Green, M.C. "In over their heads: Sea level rise and coastal storms effects on wading birds" at the Annual Meeting of the Waterbird Society, South Padre Island, Texas, November 2008.
25. Green, M.C. and S.L. Melvin. "Status update of the Reddish Egret based on rangewide surveys conducted during 2007-2008" at the Annual Meeting of the Waterbird Society, South Padre Island, Texas, November 2008.
24. Hill, A.* and M.C. Green. "Using molecular genetics techniques for population structure and life history of Reddish Egrets" at the Annual Meeting of the Waterbird Society, South Padre Island, Texas, November 2008.
23. Hill, A. * and M.C. Green. "The relationship of foraging habitat availability and nest site selection for the Reddish Egret in the Florida Keys" at the Annual Meeting of the Waterbird Society, South Padre Island, Texas, November 2008.

22. Holderby, Z.P.* and M.C. Green. "Reproductive ecology, colony site and polymorphism in Reddish Egrets *Egretta rufescens*" at the Annual Meeting of the Waterbird Society, South Padre Island, Texas, November 2008.
21. Holderby, Z.P. * and M.C. Green. Differences in reproductive ecology and behavior between polymorphic Reddish Egrets in the upper Laguna Madre." at the biannual meeting of the Texas Colonial Waterbird Society meeting in Corpus Christi, Texas, November 2007.
20. Hill, A. * and M.C. Green. "Microsatellite assessment of the genetic structure of Reddish Egrets in Texas." at the biannual meeting of the Texas Colonial Waterbird Society meeting in Corpus Christi, Texas, November 2007.
19. Green, M.C., W. Simper*, Z. Holderby*, D. Newstead, and P.C. Frederick. "Validation of flight line survey method for Reddish Egrets in Texas" at the biannual meeting of the Texas Colonial Waterbird Society meeting in Corpus Christi, Texas, November 2007.
18. Bates, E., A.*, Fedynich, B. Ballard, and M.C. Green. "Survey of blood parasites in hatch-year Reddish Egrets along the lower Texas coast" at the 31st Annual Water bird Society meeting in Barcelona, Spain, October 2007.
17. Green, M.C., W. Simper*, Z. Holderby*, D. Newstead, and P.C. Frederick. "Validation of flight line survey method for Reddish Egrets in Texas" at the 31st Annual Waterbird Society meeting in Barcelona, Spain, October 2007.
16. Polak, B.J. * and M.C. Green. "Influence of human recreational activities on wading bird abundance" at the Annual Meeting of the Texas Chapter of the Wildlife Society in Beaumont, Texas, February 2007.
15. Bates, E., A.*, Fedynich, B. Ballard, and M.C. Green. "Survey of blood parasites in hatch-year Reddish Egrets along the lower Texas coast" at the VII North American Ornithological Congress, Veracruz, Mexico, October 2006.
14. Sibole, T.*, and M.C. Green. "Some influences of brood parasitism on nesting success of Black-capped Vireos" at the VII North American Ornithological Congress, Veracruz, Mexico, October 2006.
13. Green, M.C., T.C. Michot, C.M. Jeske, M.C. Luent*, and P.L. Leberg. "By land or air: evaluation of wading bird colony censuses using aerial and ground techniques" at the VII North American Ornithological Congress, Veracruz, Mexico, October 2006.
12. Green, M.C., T.C. Michot, C.M. Jeske, M.C. Luent*, and P.L. Leberg. "Aerial and ground surveys of waterbird colonies in Louisiana 2004-2005" at the biannual meeting of the Texas Colonial Waterbird Society, Port Aransas, Texas, November 2005.
11. Green, M.C., T.C. Michot, C.M. Jeske, M.C. Luent*, and P.L. Leberg. "Assessment and comparison of aerial and ground count techniques for censusing wading bird colonies" at the Annual Meeting of The Waterbird Society, Jekyll Island, Georgia, October 2005.
10. Green, M.C., T.C. Michot, C.M. Jeske, M.C. Luent*, and P.L. Leberg. "Comparison of line transect and adaptive cluster sampling techniques for detecting novel waterbird colonies during aerial surveys" at the Joint Annual Meeting of The Waterbird Society and the Pacific Seabird Group, Portland, Oregon, January 2005.
9. Green, M. C. "Foraging ecology of Reddish Egrets in south Texas" at the Waterbird Society Annual Meeting, LaCrosse, Wisconsin, October 2002.
8. Green, M.C. and P.L. Leberg. "The effect of white plumage and group size on flocking decisions in Ciconiiformes" at the American Ornithologists' Union, New Orleans, Louisiana, September 2002.

7. Green, M.C. and P.L. Leberg. "The effect of white plumage on flocking behavior in Ciconiiformes" at the Waterbird Society Annual Meeting, Niagara Falls, Ontario, Canada, November 2001.
6. Green, M.C. and P.L. Leberg. "The effect of white plumage and group size on flocking decisions in Ciconiiformes" at the American Ornithologists' Union, Seattle, Washington, August 2001.
5. Green, M.C., J.L. Waits, M.L. Avery, M.E. Tobin, and P.L. Leberg. "Microsatellite analysis of double-crested cormorant populations" at the Waterbird Society Annual Meeting, Plymouth, Massachusetts, November 2000.
4. Guthery, F.S., M.C. Green, R.E. Masters, S.J. DeMaso, H.M. Wilson, and F.B. Steubing. "Landscape composition and structure and bobwhite abundance in Oklahoma" at the Wildlife Society Annual Conference, Nashville, Tennessee, August 2000.
3. Green, M.C., J.L. Waits, M.L. Avery, M.E. Tobin, and P.L. Leberg. "Microsatellite and mtDNA variation in double-crested cormorant populations" at Society for Conservation Biology Annual Meeting, Missoula, Montana, June 2000.
2. Green, M.C., and P.L. Leberg. "Preliminary investigations concerning the influence of plumage coloration on wading birds (order Ciconiiformes)." Biology Departmental Seminar, University of Louisiana at Lafayette, April 2000.
1. Green, M.C., L.A. Harveson, and L. Loomis. "Bedding site characteristics and habitat selection of collared peccaries in far west Texas" at The Wildlife Society 6th Annual Conference, Austin, Texas, August 1999.

INVITED TALKS, LECTURES, AND PRESENTATIONS

22. "Turn the tide: research and conservation of a coastal specialist". 2024. Departmental Seminar, Department of Natural Sciences. Texas A&M University – San Antonio, Texas.
21. "Strategies for sustaining and restoring Reddish Egrets populations rangewide across the annual cycle". 2023. Gulf of Mexico Alliance All-Hands 2023 Meeting. Austin, Texas.
20. "Species conservation in the Gulf: ongoing of the Reddish Egret International Working Group". 2023. Gulf of Mexico Alliance All-Hands 2023 Meeting. Binational Workshop. Austin, Texas.
19. "Turning the tide: research and conservation of a coastal specialist. 2021. Departmental Seminar, Natural Resources Ecology and Management, Iowa State University, Ames, Iowa.
18. "Black Rail Ecology and Conservation in Texas." 2019. San Antonio Audubon Society, San Antonio, Texas.
17. "Insights into the ecology and conservation of North America's rarest heron." 2017. Fort Worth Audubon Society, Fort Worth, Texas.
16. "Wings over the water: a decade of research on rare waterbirds." 2016. Coastal Bend Audubon Society, Corpus Christi, Texas
15. "A shift to the Caribbean: understanding the importance of island populations of Reddish Egrets." 2016. Departmental Seminar, University of Havana, Cuba.
14. "Turning the tide: a decade of research on North America's rarest heron." 2015. Departmental Seminar, University of Louisiana at Lafayette.
13. "Life and death on the tide: movement ecology of the Reddish Egret." 2015. Invited Conservation Speaker, Annual Meeting of the Association of Avian Veterinarians, San Antonio, Texas.

12. "Reddish Egret conservation in Mexico". 2014. Mazatlan Bird Festival 2014. Mazatlan, Mexico.
11. "Wayward egrets: are gene flow and movements restricted across the range of Reddish Egrets?" 2012. Ornithology Group of the Houston Outdoor Nature Club, Houston, Texas.
10. "Carry on wayward egret: insights into the dispersal, movement, and survival of Reddish Egrets" 2010. Keynote Address at Texas Ornithological Society Spring 2010 meeting, Rockport, Texas.
9. "Reddish Egrets: Insights into color polymorphism and conservation of North America's rarest heron" 2010. Departmental Seminar, University of Texas at San Antonio, San Antonio, Texas.
8. "The Reddish Egret: Insights into the ecology and behavior of North America's rarest heron" 2009. San Antonio Audubon Society, San Antonio, Texas.
7. "Sociality, coloniality, and coloration: implications for the ecology and conservation of wading birds." 2005. Job Seminar, Texas State University, San Marcos, Texas.
6. "Sociality, coloniality, and coloration: implications for the ecology and conservation of wading birds." 2005. Job Seminar, Western Illinois, Macomb, Illinois.
5. "Waterbird colony surveys and methodologies" 2005. Southwest Refuge Complex Annual Symposium, McNeese State University, Lake Charles, Louisiana.
4. "Reddish Egrets" 2005. Louisiana Ornithological Society Winter Meeting, Lafayette, Louisiana.
3. "Reddish Egrets: Mud Flat Dancers." 2004. International Migratory Bird Day Kickoff, National Wetlands Research Center, Lafayette, Louisiana.
2. "The ecological significance of plumage coloration in herons." 2003. Departmental Seminar, Museum of Natural History, Louisiana State University, Baton Rouge.
1. "Red, white, and blue herons: Do aquatic prey respond differently to plumage coloration." 2002. Departmental Seminar, Department of Wildlife and Fisheries, Louisiana State University, Baton Rouge.

PROFESSIONAL WORKSHOPS – INTERNAL TO TXST (Chaired, Co-Chaired, or Panelist)

- 2025 Facilitator, GradMENTOR Mentoring Workshop. May 16 & 19, 2025. Texas State University.
- 2025 Facilitator, GradMENTOR Mentoring Workshop. February 14 & 21, 2025. Texas State University.
- 2024 Chair, Run to R1 Faculty Panel Workshop – Timely Success of Doctoral Students: Graduate Faculty Perspective. January 26, 2024. Texas State University.
- 2024 Chair, Run to R1 Ph.D. Student Panel Workshop – Timely Success of Doctoral Students: Ph.D. Student Perspectives. February 3, 2024. Texas State University.
- 2024 Panelist, Ask the Editor: Secrets to Success in Publishing Journal Articles. Faculty Development. April 2, 2024. Texas State University.
- 2024 Panelist, Healthy Labs, The Graduate College Shop Talks. November 13, 2024. Texas State University.

PROFESSIONAL WORKSHOPS – EXTERNAL TO TXST (Chaired or Co-Chaired)

- 2023 Reddish Egret International Working Group Meeting: Implementation of the Conservation Action Plan. Virtual Meeting, July 30, 2023.

- 2021 Herons of the World Symposium – Species of Conservation Concern. Virtual Meeting of the Waterbird Society, November 9, 2021.
- 2020 Reddish Egret International Working Group Meeting, Virtual Meeting, November 30, 2020.
- 2020 Herons of the World Roundtable, North American Ornithological Congress, Virtual Meeting, August 10-15, 2020.
- 2019 Reddish Egret International Working Group Meeting, Cedar Key, Florida. Workshop for development of U.S. Business Plan. October 1-3, 2019.
- 2019 Reddish Egret International Working Group Meeting, Cameron, Louisiana. Workshop for development of conservation action plan. January 15-17, 2019.
- 2018 Reddish Egret International Working Group Meeting, Merida, Mexico. Workshop for development of conservation action plan. November 27-29, 2018.
- 2018 Reddish Egret International Working Group Annual Meeting, South Padre Island, Texas, January 23-25, 2018.
- 2016 Herons of the World, 40th Annual Meeting of the Waterbird Society, New Bern, North Carolina, September 21-23, 2016.
- 2015 Reddish Egret Business Plan for Mexico, Reddish Egret Working Group workshop. Merida, Yucatan, Nov 17-19, 2015.
- 2014 Occupancy modeling workshop, Co-Organizer with Floyd Weckerly. Workshop was for students and faculty at University of Nuevo Leon, Monterrey, Mexico.
- 2014 Reddish Egret Working Group meeting, Chair of meeting. Workshop consisted of Reddish Egret Symposium and discussion of 2014 Species Conservation Plan. Workshop and Symposium brought in partners from U.S., Mexico, and Cuba. La Paz, Mexico. Nov 6-7, 2014.
- 2012 Reddish Egret Working Group meeting, Co-Chair of working group and meeting. Workshop brought in partners from U.S., Mexico, and the Caribbean. Corpus Christi, Texas. Oct 22-24, 2012.
- 2006 “Rangewide status and research needs for the Reddish Egret *Egretta rufescens*”, Co-Chair of workshop presented at the VII North American Ornithological Congress, Veracruz, Mexico.

GRANTS AND CONTRACTS

FUNDED EXTERNAL GRANTS AND CONTRACTS (TEXAS STATE UNIVERSITY), ~\$2.57 million as of 2025

- 23. Gulf of Mexico Alliance. Delineation of Reddish Egret foraging habitat in the Gulf of Mexico. P.I. 2024-2026. **(\$80,000)**.
- 22. Texas Parks and Wildlife Department. Identification and evaluation of non-traditional inland wintering habitat for Whooping Cranes (*Grus americana*) in Texas. P.I. 2022-2025 (Co-P.I. Joseph Veech) **(\$157,301)**.
- 21. National Fish and Wildlife Foundation. Reddish Egret Conservation Plan for the U.S. Gulf Coast. P.I. 2018-2020. **(\$74,990)**.
- 20. Gulf Coast Prairie Landscape Conservation Cooperative. Developing a process and conservation application for Landscape Conservation Design for the Gulf Coast Prairie Landscape Conservation Cooperative. P.I., 2017-2019 (Co-P.I.s Jennifer Jensen and Thom Hardy) **(\$276,619)**.

19. Texas Department of Transportation. Evaluation and Monitoring of Existing Wildlife Crossings in Corpus Christi, Pharr, and Laredo Districts. P.I., 2017-2020 (Co-P.I. Dr. Randy Simpson). **(\$315,436)**.
18. Gulf Coast Joint Venture. Evaluation of the use of unmanned aerial vehicles (UAVs) for surveying colonial waterbirds. P.I., 2015-2016 (Co-P.I.s Thom Hardy, Bill Vermillion, Steve DeMaso). **(\$43,809)**.
17. Texas Parks and Wildlife, State Wildlife Grants: Distribution of the Texas kangaroo rat (*Dipodomys elator*), Co-P.I., 2015-2017 (P.I. Randy Simpson, Co-P.I. Joseph Veech, Ivan Castro-Arellano). **(\$107,098)**.
16. Texas Comptroller of Public Account: RFP No. 209g for Endangered Species Research Projects for the Black Rail, Co-P.I., 2014-2016 (P.I. Butch Weckerly) **(\$199,462)**.
15. Texas Parks and Wildlife, Section VI Traditional Grant: Occupancy, distribution, and abundance of Black Rails (*Laterallus jamaicensis*) along the Texas Gulf Coast, P.I., 2014-2016 (Co-P.I. Butch Weckerly) **(\$157,796)**.
14. Department of the Interior, U.S. Fish and Wildlife Service: Development of data clearinghouse and website for Reddish Egret Working Group, P.I., 2013-2014 **(\$37,000)**.
13. Texas Department of Transportation. Contribution of bridge-dwelling birds to bacterial water quality impairments. Co-P.I., 2012-2014 (P.I. Ivan Castro-Arellano, Co-P.I. C. Gaedicke, M. Forstner, D. Hahn) **(\$388,284)**.
12. Texas General Land Office, Oil Spill Planning and Response Program. Biological inventory and gap analysis for the Middle and Lower Texas Coast, P.I. 2011-2013 **(\$107,070)**.
11. Texas General Land Office, Oil Spill Planning and Response Program. Biological inventory and gap analysis for the Upper Texas Coast, P.I. 2010-2011 **(\$38,916)**.
10. Department of the Interior: U.S. Fish and Wildlife Service: Evaluating site fidelity, movement, and post-breeding dispersal of juvenile Reddish Egrets in Texas and Bahamas, P.I., 2010-2015 **(\$86,381)**.
9. Department of the Interior: U.S. Fish and Wildlife Service: Evaluating site fidelity, movement, and post-breeding dispersal of Reddish Egrets, P.I., 2009-2012 **(\$60,000)**.
8. Texas Parks and Wildlife, Section VI Traditional Grant: Defining Areas of Potential Ocelot Habitat, Co-P.I., 2008-2009 (P.I. Randy Simpson) **(\$52,513)**.
7. Texas Adjunct General, Mammalian survey of Camp Mabry, Co-P.I., 2008-2009 (P.I. Randy Simpson) **(\$26,735)**.
6. Texas Department of Transportation, GIS model assessment of the Houston toad for areas of scheduled bridge replacements, Co-P.I., 2008 (P.I., Forstner, M.R.J.; Co-P.I., M.C. Green, and M. Fonstad) **(\$46,423)**.
5. Texas Adjunct General, Annual bird survey of Camp Swift, Co-P.I., 2007-2008 (Floyd Weckerly, P.I.) **(\$35,827)**.
4. Department of the Interior, U.S. Fish and Wildlife Service: Assessment of Reddish Egret (*Egretta rufescens*) populations in the U.S. Gulf Coast, Mexican Gulf Coast and Atlantic coast (including Bahaman Islands): insights into the species' breeding status, distribution, life history parameters, and genetic structure, P.I., 2007-2009 **(\$141,384)**.
3. Coastal Bend Bays and Estuaries Program: Rookery Island Flight Line Survey Validation, P.I., 2007 **(\$21,000)**.
2. Department of the Army, U.S. Army Construction Engineering Research Laboratory, Desert Southwest Cooperative Ecosystems Studies Unit: Assessment of late-season nesting by

black-capped vireos in response to brown-headed cowbird parasitism. P.I., 2006-2007. **(\$106,709).**

1. Department of the Interior, U.S. Fish and Wildlife Service: Status assessment and survey methodology for reddish egrets, P.I., 2006. **(\$8,174).**

SUBMITTED (PENDING REVIEW) EXTERNAL GRANTS AND CONTRACTS (TEXAS STATE UNIVERSITY)

FUNDED EXTERNAL GRANTS AND CONTRACTS (UNIVERSITY OF LOUISIANA)

3. Department of Wildlife and Fisheries Natural Heritage Program: Statewide wading bird and seabird nesting inventory: evaluations of temporal trends, spatial associations, and sampling biases, Co P.I., 2004-2005. (P.I. Paul Leberg) **(\$283,000).**
2. The Waterbird Society, Kushlan Research Award, The influence of color dimorphism on the ecology of Reddish Egrets in south Texas, P. I., 2001. **(\$1,000).**
1. Sigma Xi Grants-In-Aid of Research, The influence of white plumage on the ecology of wading birds in south Louisiana, P. I., 2000 **(\$300).**

SUBMITTED BUT NOT FUNDED EXTERNAL GRANTS AND CONTRACTS

12. Texas Comptroller of Public Accounts. Enhancing habitat for avian species of concern on private lands through interdisciplinary assessment of the influence of prescribed fires on ecosystem services. (P.I. Chris Serenari, Co-P.I. Jason Martina, Heath Starns) **(\$184,501).**
11. Texas Parks and Wildlife Department. Develop surveys to estimate occupancy for six rail species along coastal Texas. Co-P.I. (P.I. Floyd Weckerly) **(\$478,386).**
10. National Academy of Science Gulf Research Program's Exploratory Grants. Integrating Inland and Coastal Biophysical Processes to Predict the Rates and Stability of Critical Ecosystem Services along the Gulf Coast. Co-P.I. (P.I. Michael Huston, Co-P.I. Todd Swannack, Phil Bedient, Kimberley Meitzen, Jim Blackburn.
9. Texas Parks and Wildlife Department. *Pseudogymnoascus destructans* surveillance for early detection of WNS in Texas. Co-P.I., 2015-2016 (P.I. Ivan Castro-Arellano, Co-P.I. Sara Weaver, Thomas R. Simpson) **(\$209,511).**
8. Rio Grande Research Center, Sustainable Agricultural Water Conservation Project Selection of avian fauna as indicators of riverine quality, P.I., 2010-2011 **(\$62,600).**
7. National Science Foundation. CAREER: Know Egrets: Model species for examining mechanisms and maintenance of color polymorphism and engaging society through hands-on science, P.I. 2009-2012 **(\$616,929).**
6. Rio Grande Research Center, Sustainable Agricultural Water Conservation Project: Status assessment of avifauna along the lower Rio Grande River: insights into species status and distribution and contaminant exposure. P.I., 2009-2010 **(\$57,215).**
5. Department of the Interior, U.S. Fish and Wildlife Service, Neotropical Migratory Bird Grant Act: Conservation of Priority Species of Herons, Storks, and Allies in Mexico, co-P.I., 2008-2009 **(\$197,904).**

4. Committee for Research and Exploration, National Geographic Society: The influence of plumage dimorphism on waterbirds: Investigations into the Reproductive Ecology of Reddish Egrets (*Egretta rufescens*), P.I., 2008-2009 (\$17,400).
3. Wildlife Diversity Conservation Grants – Horned Lizard License Plate Fund, Texas Parks and Wildlife: Evaluation of Gulf Coast Kangaroo Rat (*Dipodomys compactus*) Status and Distribution. P.I., 2008-2009 (\$42,866).
2. Department of the Interior, U.S. Fish and Wildlife Service, Neotropical Migratory Bird Grant Act: Conservation of Priority Species of Herons, Storks, and Allies in Mexico, co-P.I., 2007-2009 (\$197,904).
1. Rio Grande Research Center, Sustainable Agricultural Water Conservation Project: Inventory and assessment of breeding and wintering waterbirds in the Rio Grande River drainage basin, P.I., 2006-2007 (\$81,181).

FUNDED INTERNAL GRANTS AND CONTRACTS

2. Texas State University, Funding from Associate Vice President for Research: Using Technology to Study Phenomena and Conduct Monitoring of Avian Populations, co-P.I., 2009. (co-P.I.s, John Baccus and Randy Simpson). **(\$60,000)**
1. Texas State University, Research Enhancement Program: Genetic and behavioral assessment of the occurrence of plumage dimorphism in reddish egrets. **(\$7,908)**

FELLOWSHIPS, AWARDS, HONORS

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| 2023-2024 | Presidential Fellow, Division of Research, Texas State University. |
| 2022 | Favorite Professor, Alfred H. Nolle Chapter of the Alpha Chi National College Honor Society. |
| 2020 | Distinguished Alumnus Award, Boy Scout Troop 285, San Antonio, Texas. |
| 2014 | Favorite Professor, Alfred H. Nolle Chapter of the Alpha Chi National College Honor Society. |
| 2013 | Favorite Professor, Alfred H. Nolle Chapter of the Alpha Chi National College Honor Society. |
| 1999-2003 | Graduate Student Organization Supply Fund, The influence of white plumage on the ecology of wading birds, P.I. (\$1280.00). |
| 1999-2001 | University Doctoral Fellowship, University of Louisiana at Lafayette, (\$36,000.00). |
| 2001 | Travel Grant from American Ornithologists Union for annual meeting to Seattle, Washington. |
| 2000 | Travel Grant from The Waterbird Society for annual meeting to Niagara Falls, Ontario, Canada. |
| 1997-1998 | A. J. Bierschwale Memorial Scholarship, Sul Ross State University. |
| 1997-1998 | Student Leader of the Year, Sul Ross State University. |

CERTIFICATIONS

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| 2025 | Basic Mediator Course, Conflict Management and Leadership. 40-hour course through The Center for Change and Conflict Resolution. January 10, 2025. |
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2024 CIMER *Entering Mentoring* Facilitator, Center for the Improvement of Mentored Experiences in Research (CIMER) *Entering Mentoring* Facilitator Training. University of Wisconsin, Madison. Certified November 5, 2024.

IV. SERVICE

PROFESSIONAL SERVICE – INTERNATIONAL/NATIONAL:

2019-present Chair, Heron Specialist Group, International Union for Conservation of Nature, Special Survival Commission.

2020-2023 Past President, Executive Council, The Waterbird Society.

2018-2019 President, The Waterbird Society.

2017 Chair, Scientific Program, 41st Annual Meeting of the Waterbird Society, Reykjavik, Iceland. August 2017.

2016 Chair, Scientific Program, 40th Annual Meeting of the Waterbird Society, New Bern, North Carolina. September 2016.

2016-2017 Vice-President/President-Elect, The Waterbird Society (elected in August 2015)

2015-2019 Co-Chair, Heron Specialist Group, International Union for Conservation of Nature.

2014 Co-Organizer (with Floyd Weckerly) of Occupancy Modeling Workshop at University of Nuevo Leon, Monterey, Mexico.

2013 Chair, Reddish Egret Monitoring Workshop, Matamoras, Mexico.

2010-2015 Regional Vice Chair for Heron Specialist Group, International Union for Conservation of Nature

2008-present Co-Chair, Reddish Egret Working Group.

2006-2015 Secretary, Executive Council of The Waterbird Society (reelected in 2009, 2012).

2007-2008 Chair, Local Planning Committee for 2008 Annual Meeting of Waterbird Society

2005-2006 Councilor, Executive Council of The Waterbird Society.

2005-2008 Chair, Publications Committee, The Waterbird Society.

2003-2004 Member, Membership Committee, The Waterbird Society

PROFESSIONAL SERVICE – REGION/STATE

2020-2025 Chair, Gulf Avian Monitoring Network Long-Legged Wading Birds Group

2012-present Member, Scientific Advisory Committee, Gulf Coast Bird Observatory.

2008-2011 Member, Comal County Biological Advisory Team.

2006-present Member, Texas Colonial Waterbird Society Board.

2005-2025 Member, Gulf Coast Joint Venture Waterbird Monitoring, Evaluation, and Research Team

1997-1998 President, Student Chapter of the Wildlife Society, Sul Ross State University.

1997-1998 President, Student Chapter of the Society for Range Management, Sul Ross State University.

1997-1998 President, Range Animal Science Graduate Student Association, Sul Ross State University.

UNIVERSITY COMMITTEES AND OTHER SERVICES:

2024-2025	Member, Search Committee for Director of School of Health Administration.
2023	Member, Task Force, Organizational Review of the College of Science and Engineering.
2015-2024	Chair, Institutional Animal Care and Use Committee, Texas State University.
2016	Member, Research Compliance Director Search Committee, Texas State University.
2012	Member, Freeman Center Management Plan Committee, Texas State University
2006-2015	Member, Institutional Animal Care and Use Committee, Texas State University.

DEPARTMENTAL COMMITTEES AND OTHER SERVICES:

2023-2024	Member, Instructional Faculty Appointment and Promotion Committee
2017-2018	Chair, Tenure-track Faculty Search Committee (Human Dimensions in Wildlife)
2016	Member, Wildlife Management Tenure-track Faculty Search Committee
2014-2015	Organizer, "3-Minute Thesis" Doctoral Student Competition, Department of Biology, Texas State University.
2013-2023	Program Director, Ph.D. in Aquatic Resources Program, Department of Biology, Texas State University.
2013-2023	Member, Graduate Committee, Department of Biology, Texas State University.
2008	Wildlife Ecology/Conservation Biologist Tenure-track Faculty Search Committee
2005-2017	Co-Chair, Vehicle Use Committee, Department of Biology, Texas State University.
2005-2008	Member, Undergraduate Committee, Department of Biology, Texas State University.
2002-2003	Departmental Representative, Graduate Student Organization, University of Louisiana at Lafayette.

COMMUNITY SERVICE:

2023-present	President, United Methodist Men. First United Methodist Church San Marcos, Texas
2021-present	Scoutmaster, Boy Scout Troop 112, San Marcos, Texas
2019-2021	Committee Chair, Boy Scout Troop 112, San Marcos, Texas
2017-2019	Board Member, Board of Delegates, United Campus Ministry-Wesley, San Marcos, Texas
2016-2019	Cubmaster, Cub Scout Pack 18, San Marcos, Texas
2013-2017	President, Board of Delegates, United Campus Ministry-Wesley, San Marcos, Texas
2011-2021	Assistant Scoutmaster, Boy Scout Troop 112, San Marcos, Texas
2008-2010	Scoutmaster, Boy Scout Troop 112, San Marcos, Texas
2005-2008	Assistant Scoutmaster, Boy Scout Troop 112, San Marcos, Texas
2000-2004	Cubmaster, Cub Scout Pack 158, Lafayette, Louisiana.

MILITARY SERVICE (Retired from U.S. Navy in September 2022, 30 years of service):

2019-2022	Training & Curriculum Officer and Senior Facilitator, Navy Leadership and Ethics Center, Newport, RI.
2019	Executive Officer, Coastal Riverine Squadron Ten, Jacksonville, FL

2016-2019 Company Commander, Delta Company, Coastal Riverine Squadron Ten, Jacksonville, FL
 2014-2016 Training and Weapons Officer, Coastal Riverine Squadron Ten, Jacksonville, FL
 2012-2014 Executive Officer, Submarine Force Undersea Warfare, Detachment India
 2010-2011 Chief, Joint Visitors Bureau Protective Services Detail, US Forces-Afghanistan, Camp Eggers, Kabul, Afghanistan.
 2008-2010 Commanding Officer, Naval Security Force Reserve Unit, Chinhae, Korea
 2007-2008 Commanding Officer, Naval Security Force Reserve Unit, Guantanamo Bay, Cuba
 2005-2006 Researcher, Naval Science and Technology Reserve Program.
 2000-2004 Executive Officer, Naval Support Activity Bahrain detachment Headquarters, United States Naval Reserve, Manama, Bahrain.
 1996-2000 Inactive Ready Reserve, United States Navy.
 1994-1996 Surface Warfare Officer, USS Spruance (DD-963), Mayport, FL.
 1993-1994 Surface Warfare Officer, USS Ainsworth (FFT-1090), Staten Island, NY.
 1992-1993 Student, Surface Warfare Officer School, Newport Naval Station, Newport, RI.

SCHOLARLY SERVICE:

Associate Editor: *The Southwestern Naturalist* (2013 – 2015)

Journal of Heron Biology and Conservation (2011 – present)

Book Editor: *Waterbirds* (2015 – 2018)

Guest Editor: *Southeastern Naturalist* (2009, 2011)

Grant Proposal Reviews:

1. North American Wetland Conservation Act grant proposals (2006-2022, **2023**), submitted to Gulf Coast Joint Venture

Biological Status Review: Reddish Egret for the Florida Wildlife Commission (2010), Black-capped Vireo for the U.S. Fish and Wildlife Service (2016).

Peer-reviewed Journal Reviewer for: *American Midland Naturalist* (2014, 2016), *Anais da Academia Brasileira de Ciencias* (2019), *Animals* (2019, 2020), *Animal Behaviour* (2012), *Animal Cells and Systems* (2017, 2018), *Ardea* (2006), *Avian Conservation and Ecology* (2020, 2021), *Biological Journal of the Linnean Society* (2006, 2022), *Bird Conservation International* (2019), *Bird Study/Ringing and Migration* (2019), *Condor: Ornithological Applications* (2014, 2020), *Conservation Genetics* (2010, 2011, 2014), *Conservation Genetics Resources* (2012, 2013, 2014, 2015, 2016), *Cotinga* (2011), *Diversity* (2023), *Drone Systems and Applications* (2022, 2023), *Ecology and Evolution* (2014, 2024), *Ecological Engineering* (2010), *Ecosphere* (2014), *Forest Ecology and Management* (2013), *Genetica* (2013), *Global Ecology and Conservation* (2021), *Journal of Caribbean Ornithology* (2016, **2025**), *Journal of Field Ornithology* (2007, 2009, 2010, 2012, 2013, 2014, 2015, 2018, 2019, 2020), *Journal of King Saud – Science* (2016), *Journal of Mammalogy* (2006), *Journal of Ornithology* (2020), *Journal of Raptor Research* (2010), *Journal of Wildlife Management* (2016, 2018, 2019, 2021),

Maryland Birdlife (**2025**), *Ornithologia Neotropical* (2014), *Restoration Ecology* (2015, 2016), Royal Society Open Science (2024), PeerJ (2017, 2020), PLoS One (2014, 2016, 2020, 2021), *Scientific Reports* (2018, 2023, 2024), *Southeastern Naturalist* (2011, 2013, 2017), *Southwestern Naturalist* (2010, 2016, 2017, 2018, 2020), *Texas Journal of Agricultural and Natural Resources* (2013), *Texas Journal of Science* (2020), *Waterbirds* (2007, 2008, 2009, 2010, 2012, 2013, 2014, 2015, 2016, 2017, 2019, 2021, 2022, 2023, 2024), *Western North American Naturalist* (2020), *Wetlands* (2013, 2016, 2017, 2019), *Wildlife Society Bulletin* (2012, 2013, 2019), *Wilson Journal of Ornithology* (2007, 2009, 2014, 2018).

Book Reviewer for: *Mammalogy*, 5th edition, Jones-Bartlett Press (2008), *Ecology in Action*, 1st Edition, Benjamin-Cummings Press (2012).