

TEXAS STATE VITAE

I. Academic/Professional Background

A. Name: Floyd W. Weckerly

Title: Professor of Biology

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
Ph.D.	1988	Memphis State University	Biology	Ecological Studies Relating to White-tailed Deer: I. Evaluation of surveys for determining use of woody browse; II. Seasonal feeding strategies of white-tailed deer in Tennessee
M.Sc.	1983	Eastern New Mexico University	Biology	Geographic variation of the rock pocket mouse, <i>Perognathus intermedius</i> Merriam, in the Pedro Armendariz Lava Flow of south-central New Mexico
B.Sc.	1981	Eastern New Mexico University	Wildlife Management	

C. University Experience

Position	University	Dates
Director, M.S. Wildlife Ecology Program	Texas State University	2013 - Present
Professor of Biology	Texas State University	2013 - Present
Associate Professor of Biology	Texas State University	2008 - 2013
Assistant Professor of Biology	Texas State University	2002 - 2008
Lecturer in Biostatistics	Humboldt State University	1994 - 2002
Statistical Consultant – California Cooperative Fisheries Research Unit	Humboldt State University	2000 - 2002
Faculty Adjunct - Biostatistics	Humboldt State University	1996 - 2002
Lecturer in Wildlife	Humboldt State University	1991 - 1994
Visiting Assistant Professor of Biology	Memphis State University	1988 - 1989

D. Relevant Professional Experience

Position	Entity	Dates
Postdoctoral Research Fellowship	University of California - Berkeley	1988 - 1991
Graduate Research Assistant	Memphis State University	1987 - 1988
Graduate Teaching Assistant	Memphis State University	1984 - 1987
Graduate Research Assistant	Memphis State University	1983 - 1984
Graduate Teaching Assistant	Eastern New Mexico University	1981 - 1983
Undergraduate Instructional Assistant	Eastern New Mexico University	1980 - 1981

II. TEACHING

Courses taught:

2002 – present Texas State University – San Marcos

Graduate Courses

Statistics and Experimental Design I

Statistics and Experimental Design II

Conservation and Natural History of Large Mammals

Wildlife Statistics

1994 – 2002 Interdisciplinary Biometry Program – Humboldt State University

- Undergraduate Courses
Elementary Biometry
Elementary Statistics
Intermediate Statistics
- Graduate Courses
Experimental Design and Analysis of Variance
Data collection and Analysis
- 1991 – 1994 Department of Wildlife – Humboldt State University
- Undergraduate Courses
Principles of Wildlife Management
Techniques of Wildlife Management
Ecology and Management of Upland Habitats
Ecology and Management of Upland Populations
Case Studies in Wildlife Management
Wildlife Ecology and Management for Nonmajors
Seminar in Wildlife
- Graduate Course
Seminar in Wildlife
- 1988 – 1989 Department of Biology – Memphis State University
- Undergraduate Course
Anatomy and Physiology (Lecturer, faculty and lab coordinator)
- 1983 – 1987 Department of Biology – Memphis State University
- Undergraduate Courses
Freshman Biology Lab (Instructional Assistant)
Anatomy and Physiology Lab (Instructional Assistant)
Mammalogy Lab (Instructional Assistant)
- 1981 – 1983 Department of Biological Sciences – Eastern New Mexico University
- Undergraduate Courses
Freshman Biology Lab for Majors (Instructional Assistant)
Freshman Biology Lab for Nonmajors (Instructional Assistant)
Animal Physiology Lab (Instructional Assistant)
- 1980 – 1981 Department of Mathematics – Eastern New Mexico University
- Undergraduate Course
Introductory Statistics Lab (Instructional Assistant)

Graduate Theses/Dissertations:

Doctoral students supervised

- Wolcott, Daniel, M. Spring 2015. Biological and environmental influences on developmental variation of ungulates in variable environments. Texas State University. (EMPLOYMENT: Post-Doctoral Research Position, University of Wisconsin-Madison)
- Duarte, Adam. Spring 2015. Population dynamics and habitat conservation for the golden-cheeked warbler (*Setophaga chrysoparia*). Texas State University. (EMPLOYMENT: Post-Doctoral Research Position, Oregon State University)

- Luna, Ryan, S. Spring 2013. Body size, rumen-reticulum functions and dietary nutrition of white-tailed deer. Texas State University. (EMPLOYMENT: Assistant Professor, Sul Ross University)

M.S. Graduate Students Supervised Texas State University

- Bhaskar, Gayatri. 2015. Rumen-reticulum and liver mass relationships in white-tailed deer (*Odocoileus virginianus*) differ between females and males.
- Aiken, Meredith, R. E. Summer 2014. Variation in rumen-reticulum fill in white-tailed deer (*Odocoileus virginianus*).
- Starns, Heath, D. Spring 2014. Influence of a population irruption by Roosevelt elk on a vegetation index.
- Parra, Claire, A. Fall 2012. Body weight and age influences on liver weight in white-tailed deer (*Odocoileus virginianus*): implications for reproductive effort. *Manuscript from thesis published in Canadian Journal of Zoology*.
- Warren, Christopher C. (Co-chair Jim Ott) Fall 2011. Singing behavior leads to detection bias in a territorial songbird. *Manuscript from thesis published in The Auk*.
- Duarte, Adam. Spring 2011. Dynamics of rumen-reticulum capacity and fill in white-tailed deer (*Odocoileus virginianus*). *Manuscript from thesis published in European Journal of Wildlife Research*.
- Jonker, Amber L. Fall 2010. Modeling the relationship between estimates of local occupancy and local abundance in avian species.
- Hunt, Jason W. (Co-chair Jim Ott) Summer 2010. Estimating occupancy and abundance of golden-cheeked warblers (*Dendroica chrysoparia*) in central Texas. *Manuscript from thesis published in The Auk*.
- Street, Garrett M. Spring 2010. Forage abundance as the impetus for large ruminant aggregation: a modeling approach. *Manuscript from thesis published in Oikos*.
- Faas, Clinton J. Summer 2008. Habitat interference by exotic axis deer (*Axis axis*) on native white-tailed deer (*Odocoileus virginianus*) in Texas. *Manuscript from thesis published-Journal of Wildlife Management*
- Robinson, Sarah E. Summer 2008. Forage selection and grouping patterns of male and female scimitar-horned oryx (*Oryx dammah*) on Mason Mountain Wildlife Area, Mason, Texas. *Manuscript from thesis published-Southwestern Naturalist*
- Myrick, Katherine. (Co-chair Jeff Hatfield). Spring 2008. Plant species and vertebrate species richness in National Parks in the Eastern United States. M.Sc. Thesis.
- Watson, Cynthia, A. (Co-chair Paula Williamson). Summer 2006. Estimating detection probabilities of Golden-cheeked Warblers. *Manuscript from thesis published in Animal Conservation*
- Richardson, Katherine. Summer 2006. Sexual segregation in urban white-tailed deer: social incompatibility or predation risk? *Manuscript from thesis published in Canadian Journal of Zoology in 2007*
- Ramzinski, Dawn. Spring 2006. Scaling relationship between body weight and gut capacity in Axis deer (*Cervus axis*). *Manuscript from thesis published in Journal of Mammalogy in 2007*
- Francis, Deena R. Spring 2005. Influence of opening weekend and weather on white-tailed deer harvests at Milan Army Ammunition Plant, Tennessee.

- Longoria, Meredith P. Fall 2004. Using motion-triggered cameras to estimate habitat use by Collared Peccaries. *Manuscript from thesis published in Journal of Wildlife Management in 2007*

Graduate Students Supervision in progress

Dissertation

1. Moore, Amanda. Begins Fall 2015, Resilience and redundancy of Black rails along the Texas coast

Thesis

1. Kolbe, Nick. *Began Fall 2014*. Prescribed fire and Roosevelt elk response.
2. Peterson, Leah. *Began Fall 2014*. Social and forage influences on feeding behavior in Roosevelt elk.
3. James Tolliver. *Began Spring 2015*. Occupancy and abundance of Black Rails.

Graduate Students Supervised Humboldt State University

- Terwillinger, Robert, B. (Co-chair Dr. David Kitchen). Spring 2002. Resource selection and presence of Roosevelt elk sign: use versus size of meadows. M.Sc. Thesis.

Graduate Student Accomplishments

- Adam Duarte, The Graduate College's Outstanding Dissertation Award in the Life Sciences (Unanimous selection), Texas State University (\$1,000), 2015.
- Nick Kolbe, Celebrity Classic Scholarship, Graduate College, Texas State University (\$2250), 2015.
- Nick Kolbe, Science and Engineering Scholarship, Texas State University (\$2,000), 2015.
- Nick Kolbe, Deer Breeders Corporation Scholarship (\$6,000). 2014 & 2015.
- Nick Kolbe, Texas Deer Association Scholarship (\$3,700). 2014 & 2015.
- Nick Kolbe, Texas Parks and Wildlife Foundation Scholarship (\$4,500). 2014 & 2015.
- Daniel Wolcott, Outstanding Instructional Assistant, Department of Biology, Texas State University, 2015.
- Adam Duarte, Cottam Award (Outstanding Graduate Student Presentation). Texas Chapter The Wildlife Society (\$500), 2015.
- Nick Kolbe, Dan Boone Graduate Scholarship, Texas Chapter The Wildlife Society (\$500), 2015.
- Nick Kolbe, Houston Safari Club Scholarship (\$5,000), 2015.
- Daniel Wolcott, Houston Safari Club Scholarship (\$5,000), 2015.
- Daniel Wolcott, Ebege/Elledge Scholarship, Dept. Biology, Texas State Univ. (\$2,300), 2015.
- Adam Duarte, Graduate College Scholarship, Texas State Univ. (\$2,500), 2015.
- Heath Starns, Graduate College Research Grant, Texas State Univ. (\$2,000), 2014.
- Daniel Wolcott, Houston Safari Club Scholarship (\$5,000), 2014.
- Daniel Wolcott, Doctoral Research Stipend, Texas State University (\$5,000), 2014.
- Adam Duarte, Doctoral Research Stipend, Texas State University (\$5,000), 2014.
- Ryan Luna, Dan Boone Graduate Scholarship, Texas Chapter The Wildlife Society (\$500), 2013.

- Adam Duarte, Houston Safari Club Scholarship (\$7,000), 2010, 2011.
- Ryan Luna, Houston Safari Club Scholarship (\$7,000), 2009, 2010.
- Ryan Luna, travel grant (\$200) by American Society of Mammalogy, 2010.
- Adam Duarte, travel grant (\$200) by American Society of Mammalogy, 2010.
- Ryan Luna, Harvey – Luna Scholarship (\$14,000), 2009, 2010.
- Clinton Faas, Houston Safari Club Scholarships (\$6,000), 2006 & 2007.
- Sarah Stephenson, Houston Safari Club scholarship (\$1,500), 2007.
- Kaci Myrick, Durrenburger Scholarship for Women in Science (\$1,000), 2006.
- Dawn Ramzinski, Houston Safari Club Scholarships (\$6,000), 2004 & 2005.
- Meredith Longoria, College of Science Scholarship (\$3,000), 2004 & 2005.

Graduate student committees Texas State University

Dissertation

- Whitney, Suzanne E. 2015. Examining avian communities in wetlands at multiple spatial extents.
- Jones, Melissa. 2015. Efficacy and efficiency of head-starting and captive propagation of an endangered amphibian: implications for continued population and habitat management following catastrophic wildlife.
- Mali, Ivana. 2014. Freshwater turtles as a renewable resource: using the red-eared slider (*Trachemys scripta elegans*) as a model species.
- Oxley, Forence, M. 2013. Invasive potential of the aquatic macrophyte *Cryptocoryne beckettii*.
- Sha, Qiong. 2012. Distribution, diversity and fate of salmonellae in natural biofilms.
- McCracken, Shawn. F. 2012. Environmental quality effects and the ecological context of a rainforest canopy bromeliad fauna.
- Williams, Casey S. 2010. Life history characteristics of three obligate riverine species and drift patterns of lower Brazos River fishes.
- Jackson, Jacob, T. 2010. Demography and population structure of a Rio Grande endemic emydid, the Big Bend slider.
- Mazir, Babur. 2009. Saprophytic growth and *Frankia* diversity in soil.
- Small, Michael F. 2007. Flow alteration of the lower Rio Grande and white-winged dove range expansion and monitoring techniques.

M.Sc. Thesis

- Hargrave, Amanda. 2015. Determining the seasonal diets of sable antelope (*Hippotragus niger*) at Mason Mountain Wildlife Management Area.
- MacLaren, Andrew, R. 2015. Automated detection of rare and endangered Anurans using robust and reliable detection software.
- Reich, H. J., IV. 2015. Rio Grande beaver (*Castor canadensis mexicanus*) survey in Big Bend National Parks.
- Harrod, S. 2014. The effects of landscape characteristics on nesting ecology.
- Craig, C. A. 2014. Relationship between base flow magnitude and spring fish communities.
- Haverland, M. B. 2014. Examining the effects of urbanization on occurrence of mammal species in natural areas of the eastern Edwards Plateau.
- Vaughn, C. R. 2014. Validating environmental flow recommendations: drifting

- coarse particulate matter, macroinvertebrates, and larval fishes.
- Ruppel, D. S. 2014. Current velocity and flow mediated diets of larval fishes.
 - Munters, A. E. 2014. Nest site selection and sex identification of American Oystercatchers (*Haematopus palliatus*) on the upper Texas coast.
 - Uthappuru, S. K. 2013. Effects of competition and forest type on size and abundance of an arboreal snail along an elevational gradient.
 - Cummings, K. E. R. 2013. Assessing the imprint of geography, host species, land cover, and space on the local abundance of a generalist nest parasite, the Brown-headed Cowbird.
 - Henson, J. D. 2012. A comparative analysis of plant species distribution and growth response to edaphic features between the San Saba River and a tributary.
 - Flores, J. C. 2012. Thermal aspects of nesting ecology of the Texas River Cooter (*Pseudemys texana*) and Red-eared Slider (*Trachemys scripta elegans*) at Spring Lake, Hays County, Texas.
 - Curtis, Stephen G. 2012. Effects of a declining hydrograph on instream habitats and fish communities in a semi-arid karstic stream.
 - Weaver, Sara P. 2012. Overwintering Brazilian free-tailed bats (*Tadarida brasiliensis*) in central Texas: baseline population estimates and microclimate habitat analysis.
 - Ruiz, Kenneth, A. 2012. Nesting niche partitioning by mourning and white-winged doves with observations of other sympatric Columbids.
 - Morgan, Stephanie. 2012. Bat species and habitat use in the Trans-Pecos of Texas.
 - Pina, Vanessa. 2012. Changes in habitat with subsequent changes in diet of the Texas River Cooter in Spring Lake, Texas, USA.
 - Heaton, Meredith. R. 2011. Eastern Pipistrelle (*Perimyotis subflavus*) internal temperature differences and sex ratio in Gorman cave hibernaculum.
 - Duran, Melissa A. 2010. Mix it up: Program evaluation of teacher professional development correlated space science and geology and mathematics.
 - Mali, Ivana. 2010. Reproductive patterns of Texas River Cooter (*Pseudemys texana*) and red-eared slider (*Trachemys scripta elegans*) at Spring Lake, Hays County, Texas.
 - Simpler, William S. 2010. Spatial connectivity among black-capped vireo populations.
 - Dammeyer, Nathan T. 2010. Movement patterns of *Etheostoma fonticola* in a headwater stream.
 - Kollaus, Kristy. 2009. Fish assemblage structure and habitat associations in a Texas spring-fed river.
 - Birnbaum, Sandra J. 2009. Habitat characterization and pilot reintroduction of star cactus (*Astrophytum asterias*).
 - Hood, Glen. 2009. The causes and consequences of a shift in oviposition timing of a host-specific gall forming wasp.
 - McDermid, K. M. 2009. Food habits of the Common Musk Turtle (*Sternotherus odoratus*) in Lentic and Lotic habitats.
 - Holderby, Zachary. 2008. Differences in reproductive ecology and behavior between polymorphic Reddish Egrets (*Egretta rufescens*) in the Upper Laguna Madre.

- Gloyna, Lisa A. 2008. Evaluation of teacher professional development mix it up: *correlated science & math* instructional model.
- Gonzales, T.K. 2008. Conservation genetics of Comal Springs riffle beetle (*Heterelmis comalensis*) populations in central Texas.
- Heard, Tom C. 2008. Spatial and temporal patterns in a Chihuahuan desert fish assemblage.
- Bean, M. G. 2008. Occurrence and impact of the Asian fish tapeworm *Bothriocephalus acheilognathi* in the Rio Grande (Rio Bravo Del Northe).
- Korn, J. M. 2008. Evaluating avian communities of the Blanco River Valley using occupancy modeling and landowner conducted surveys.
- Jones, R. L. 2008. Ecological dynamics of native bottomland pecan communities in the Edwards Plateau of Texas.
- Barlow, R. E. 2008. Food habits of hunter collected northern bobwhite quail (*Colinus virginianus*) at the Chaparral Wildlife Management Area in south Texas.
- Romaine-Houston, Dawn. 2008. Foraging behavior of the black-capped vireo in Texas.
- Polak, Bobby. 2008. Influence of human recreational activities and vegetative characteristics on waterbird abundance.
- Malone, Dawnelle. 2007. Baseline studies of invasive African buffelgrass (*Cenchrus ciliaris*) in Big Bend National Park, Texas.
- Cooksey, Mathew L. 2007. Assessment of infrared-triggered camera surveys for estimating white-tailed deer populations in central Texas.
- Gonzalez, Rosie. 2007. Male mate choice in relation to female size in *Poecilia latipinna*.
- Grobe, Katherine M. 2007. Nest site selection by western Kingbirds (*Tyrannus verticalis*) in an urban environment.
- Johnson, Adam J. 2007. Calcium requirements and beyond: signal transduction in pigment granule motility of retinal pigment epithelium.
- Sperry, Cynthia. 2007. Influences of borders on golden-cheeked warbler habitat in the Balcones Canyonlands Preserve, Travis County, Texas.
- Kalmbach, A. 2006. Effects of exotic plant species in central Texas urban habitats on Neotropical migrant bird species composition, relative abundance, and distribution.
- Osbourne, Linda. 2006. Habitat use of River cooters, (*Psuedomys scripta*) in Spring Lake.
- Smith, Daniel A. 2006. Assessment of student scientific attitudes after teacher participation in authentic scientific research.
- Zickler, W. 2006. Impact of invasive plants on bird density in central Texas urban habitats.
- Copland, Chad M. 2005. Using pharmacological agents to elucidate the muscarinic receptor subtype involved in pigment granule dispersion.
- Ferguson, Adam W. 2005. Vertebrate predation on drift fence associated pitfall traps during a study of the endangered Houston Toad (*Bufo houstonensis*) in Bastrop County, Texas.
- Milholland, Matt. 2005. Nutria in a desert environment.
- Troy, Jeffrey. 2005. Habitat use of eastern Phobie.

- Burpo, Nicole. 2004. Consequences of variation in dietary protein on captive-raised black knob map turtles (*Graptemys nigrinoda*, Emydidae).
- Cryer, Gregory. 2004. Temporal and spatial patterns of parasitoid attack on a root-galling Cynipid.
- Dufault, Deirdra. 2004. Habitat occupancy by the Black-capped Vireo (*Vireo atricapillus*) following prescribed burns at Kerr Wildlife Management Area.
- Gumm, Jennifer. 2004. Species and mate quality recognition in *Poecillia laticarinata*.
- Keifer, S. J. 2004. Habitat affinities for white-tailed deer and Rio Grande turkey at the Griffith League Ranch, Bastrop County, Texas.
- Schafer, Cynthia, L. 2004. Whitewing distribution, movements and reproduction in a recently colonized urban environment.
- Shelton, Stephanie. L. 2004. Annual and temporal population characteristics of *Tadarida brasiliensis* and *Myotis velifer* at the Old Tunnel Wildlife Management Area, Kendall County, Texas.
- Thaker, Maria. 2004. Sensory cues, association preferences, and social interactions in the San Marcos salamander.
- Egan, Scott. 2003. Abundance and distribution of a gall-forming herbivore: variation in host plant quality or deme formation?
- Morris, Susannah R. 2003. Systematics of locally endemic short-tailed shrews, *Blarina* (Insectivora: Soricidae), in Bastrop and Aransas Counties, Texas.
- Mostyn, Christopher. 2003. Overabundant white-tailed deer and Golden-cheeked Warbler habitat.
- White, Clay J. 2003. Avian habitat affinity in the Lost Pines region of Bastrop County, Texas.

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Graduate Student Committees Non-Thesis

- Adhikari, Arjun. 2009.
- Zafin, Holly. 2011.
- Rodriguez, Illiana. 2013
- Rogers, James. 2013

Graduate Student Committees Humboldt State University

- Fallon-McKnight, Maura. 2009. Diet of exotic fallow deer and a restored herd of tule elk at Point Reyes National Seashore, California.
- Hutchins, Nicole R. 2006. Diet, nutrition, and reproductive success of Roosevelt elk in managed forests of the Olympic Peninsula, Washington. M.Sc. Thesis.
- Storlie, Jason T. 2006. Movements and habitat use of female Roosevelt elk in relation to human disturbance on the Hoko and Dickey game management units, Washington. M.Sc. Thesis.
- Savage, Anya. 2001. Behavioral model of Roosevelt elk. M.Sc. Thesis.
- Popham, Gail, P. 2000. Sage grouse nesting habitat in NE California. M.Sc. Thesis.
- Lanning, Chris. 1998. Modeling sign-station data and pellet-group count data using the negative binomial distribution: bias and efficiency. M.Sc. Thesis.

Current Graduate Student Committees Texas State University

Thesis

- Loney, Lauren. Biodiversity and nutrient cycling in a subterranean system.
- Cave, Tempest. Population ecology of Texas Horned Lizards.
- Aubuchon, Kendall. Moonlight influences on puma predation.
- Nathan Trimble. The ecology of colonial nesting Green Herons (*Butorides virescens*) in Texas.

Courses prepared:

- 2003 – 2004 Developed and taught Natural History & Conservation of Large Mammals (BIO 7324)
- 2002 – 2003 Developed and taught Statistics and Experimental Design I (BIO 7505) and II (BIO 7506)

Funded internal teaching grants:

- 2005 Huffman, D. G., and F. W. Weckerly. Replacement of obsolete computing equipment in the Freeman Aquatic Biology Teaching Lab. Student Computing Resources Grant. (\$27,927)

III. SCHOLARLY/CREATIVE ACTIVITIES

Refereed Journal Articles (Underlined authors are students)

- Bhaskar, G., and F. W. Weckerly. 2016. Birth mass scaling in elk (*Cervus elaphus*). American Midland Naturalist *In press*. Contribution: Idea, provided data, editing. (National)
- Duarte, A., J. S. Hatfield, J. D. Nichols, T. M. Swannack, M. R. J. Forstner, M. C. Green, and F. W. Weckerly. 2016. Simulating range-wide population and breeding habitat dynamics for an endangered woodland warbler in the face of uncertainty. Ecological Modeling 320:52-61. Contribution: Major advisor, editing, funding from grant 34. (International)
- Duarte, A., F. W. Weckerly, M. Schaub, and J. S. Hatfield. 2016. Estimating golden-cheeked warbler immigration: implications for the spatial scale of conservation. Animal Conservation 19:*In press*. Contribution: Idea, major advisor, funding from grant 34. (International)
- Thalman, J. C., R. T. Bowyer, K. A. Aho, F. W. Weckerly, and D. R. McCullough. 2016. Antler and body size in black-tailed deer: an analysis of cohort effects. Advances in Ecology *In press*. Contribution: Provided data. (International)
- Kolbe, N. R., and F. W. Weckerly. 2015. Home-range overlap of Roosevelt elk herds in the Bald Hills of Redwood National Park. California Fish and Game 101:208-217. Contribution: Idea, assisted with analysis, editing (Regional)
- Aiken, M. R. E., D. M. Wolcott, A. Duarte, R. S. Luna, H. D. Starns, and F. W. Weckerly. 2015. Use of rumen-reticulum fill to examine nutrient transfer and factors influencing food intake in white-tailed deer. Canadian Journal of Zoology 93:439-445. Contribution: Idea, major advisor, partial funding grant 35. (International)
- Wolcott, D. M., R. L. Reich, and F. W. Weckerly. 2015. Biological and environmental influences on parturition date and birth mass of a seasonal breeder. PLOS One 10(4): e0124431. Contribution: Idea, major advisor, obtained data set. (International)
- Weaver, S. P., T. R. Simpson, J. T. Baccus, and F. W. Weckerly. 2015. Baseline

population estimates and microclimate data for newly established overwintering Brazilian free-tailed bat colonies in central Texas. *Southwestern Naturalist* 59:*In press*. (Regional) Contribution: data analysis, editing. (Regional)

- Starns, H. D., F. W. Weckerly, A. D. Duarte, and M. A. Ricca. 2015. Vegetation changes associated with a population irruption by Roosevelt elk. *Ecology and Evolution* 5:109-120. Contribution: Idea, assisted in obtaining data set. (International)
- Wolcott, D. M., J. L. Asmus, and F. W. Weckerly. 2014. Overcoming cohort effects in a Mediterranean ecosystem: the role of density and precipitation on southern mule deer body mass. *Journal of Wildlife Management* 79: 1335-1342. FEATURE ARTICLE Contribution: Idea, assisted in obtaining data set. (International)
- Duarte, A., J. E. Hines, J. D. Nichols, J. S. Hatfield, and F. W. Weckerly. 2014. Age-specific survival of male Golden-cheeked Warblers on the Fort Hood Military Reservation. *Avian Conservation and Ecology* 9:a4(9 p). Contribution: Edited, partial funding grant 34. (International)
- Aiken, M. R. E., A. Duarte, R. S. Luna, D. M. Wolcott, and F. W. Weckerly. 2014. Daytime declines in rumen-reticulum fill of male white-tailed deer (*Odocoileus virginianus*) from south Texas. *Canadian Journal of Zoology* 92:637-642. Contribution: Idea and assisted in data collection and analysis, Partial funding grant 35 (International)
- Starns, H. D., A. Duarte, M. A. Ricca, and F. W. Weckerly. 2014. Climatic and density influences on recruitment in an irruptive population of Roosevelt elk. *Journal of Mammalogy* 95:925-932. Contribution: Idea and assisted in data collection and analysis, partial funding grant 35 (International)
- Duarte, A., R. S. Luna, H. S. Starns, and F. W. Weckerly. 2014. Intraspecific scaling of rumen-reticulum fill might depend on dietary fiber. *American Midland Naturalist* 172:330-338. Contribution: Idea and assisted in data collection and analysis, Partial funding grant 35 (National)
- Ricca, M. A., Van Vuren, D. F. W. Weckerly, K. Miles, and J. Williams. 2014. Irruptive dynamics of introduced caribou on Adak Island, Alaska: an evaluation of Riney-Caughley model predictions. *Ecosphere* 5:a94 (24 p). Contribution: assisted in data collection and analysis (International)
- Weckerly, F. W., and M. A. Ricca. 2014. Aggression and coexistence in female caribou. *Arctic* 67:189-195. (International)
- Parra, C. A., A. Duarte, R. S. Luna, D. M. Wolcott, and F. W. Weckerly. 2014. Body weight, age, and reproductive influences on liver weight of white-tailed deer. *Canadian Journal of Zoology* 92: 273-278. Contribution: idea, major advisor, partial funding grant 35 (International)
- Duarte, A., J. L. R. Jensen, J. S. Hatfield, and F. W. Weckerly. 2013. Spatiotemporal variation in range-wide golden-cheeked warbler breeding habitat. *Ecosphere* 4:Article 152. Contribution: funded work, major advisor, partial funding grant 34 (International)
- Warren, C. C., J. A. Veech, F. W. Weckerly, L. O'Donnell, and J. R. Ott. 2013. Detection heterogeneity and abundance estimation in populations of golden-cheeked warblers (*Setophaga chrysoparia*). *The Auk* 130: 677-688 Contribution: Co-major advisor, partial funding grant 33 (International)

- Luna, R. S., and F. W. Weckerly. 2013. Variation across years in rumen-reticulum capacity and digesta load in white-tailed deer (*Odocoileus virginianus*). Southeastern Naturalist 12:283-296. Contribution: Major advisor, suggested idea (Regional)
- Julian, A. E., K. Schmidt, and F. W. Weckerly. 2013. Group size dynamics of female Roosevelt elk in Redwood National and State Parks. California Fish and Game 99:49-54. Contribution: Provided data set, paper written as class project BIO 7406. (Regional)
- Luna, R. L., A. Duarte, and F. W. Weckerly. 2013. Influence of body size on dietary nutrition of white-tailed deer *Odocoileus virginianus*. Journal of Fish and Wildlife Management 4:53-62. Contribution: Major advisor, suggested idea. (International)
- Street, G. M., F. W. Weckerly, and S. Schwinning. 2013. Modeling forage mediated aggregation in a gregarious ruminant. Oikos 122:929-937. Contribution: Co- Advisor with Susan Schwinning, suggested idea. (International)
- Weckerly, F. W. 2013. Conspecific body weight, food intake, and rumination time affect food processing and forage behavior. Journal of Mammalogy 94:120-126. (International)
- Luna, R. S., A. Duarte, and F. W. Weckerly. 2012. Rumen-reticulum characteristics, scaling relationships and ontogeny in white-tailed deer (*Odocoileus virginianus*). Canadian Journal of Zoology 91:1351-1358. Contribution: Major advisor, suggested idea. (International)
- Hatfield, J. S., Duarte, A., and F. W. Weckerly. 2012. Shifting foundations and metrics for recovery. Wildlife Society Bulletin 36:415-422. INVITED PAPER Contribution: Wrote a section of the manuscript. (International)
- Ricca, M. A., F. W. Weckerly, and A. Duarte. 2012. Range expansion of nonindigenous caribou in the Aleutian archipelago of Alaska. Biological Invasions 14:1779-1784. Contribution: INVITED to participate in project due to expertise in ungulate ecology and behavior. (International)
- Weckerly F. W. 2012. Cave cricket exit counts: environmental influences and length of surveys. Journal of Cave and Karst Studies 74:1-6. Funding from grant 32. (International)
- Hunt, J. W., F. W. Weckerly, and J. R. Ott. 2012. Reliability of occupancy and binomial mixture models for estimating abundance of golden-cheeked warblers (*Dendroica chrysoparia*). The Auk 129:105-114. Contribution: Major advisor for thesis, obtained funding, and corresponding author. Funding from grant 29. (International)
- Weaver, S. P., and F. W. Weckerly. 2011. Sex ratio estimates of Roosevelt elk using counts and Bowden's estimator. California Fish and Game 97:130-137. Contribution: Provided data set, paper written as class project BIO 7406.
- Duarte, A., F. W. Weckerly, and D. R. McCullough. 2011. Does rumen-reticulum capacity correlate with body size or age? European Journal of Wildlife Research 57:1131-1136. Contribution: Provided data set, paper written as class project BIO 7406. (International)
- Asmus, J. L., and F. W. Weckerly. 2011. Evaluating the Precision of Cementum Annuli Analysis for Aging Mule Deer from Southern California. Journal of Wildlife Management 75:1194-1199. Contribution: INVITED to participate in project due to expertise in ungulate biology and statistical analyses (International)

- Weckerly, F. W., and J. Foster. 2010. Blind count surveys of white-tailed deer and population estimates using Bowden's Estimators. *Journal of Wildlife Management* 74:1367-1377. (International)
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Non-refereed Articles:

- Hatfield, J. S., Myrick, K. E., M. A. Huston, F. W. Weckerly, and M. C. Green. 2013. Vascular plant and vertebrate species richness in National Parks of the Eastern United States. Natural Resource Technical Report NPS/NCR/NCRO/NRTR—2013/002. Washington, D. C.
- Ricca, M. A., J. C. Williams, F. W. Weckerly, and Vincent Tutiakoff, Jr. 2012. Aerial survey of barren-ground caribou at Adak and Kagalaska Islands in 2012. U.S. Fish and Wildlife Service, Homer, AK. 14 pp.
- Weckerly, F. W. 2010. Karst invertebrate species survey protocols and trend analyses at Balcones Canyonlands Preserve. City of Austin, Texas. 21 pp.
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- Krejca, J. K., and B. Weckerly. 2007. Detection probabilities of Karst invertebrates. Final Report, Texas Parks and Wildlife Department. 27 pp.
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- Ott, J. A., and F. W. Weckerly. 2004. Recommended revisions to presence-absence surveys of golden-cheeked warblers. Final Report, U. S. Fish and Wildlife Service, Austin, Texas, USA. 13 pp.
- Weckerly, F. W., and M. L. Kennedy. 2002. An assessment of white-tailed deer at the Milan Army Ammunition Plant. Final Report, Milan Army Ammunition Plant, Milan, Tennessee, 52 pp.
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- McCullough, D. R., F. W. Weckerly, P. I. Garcia, and R. Evett. 1991. Development of reliable herd composition counts and population estimate for deer in coastal California. Final Report, California Department of Fish and Game. 110pp.
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- McCullough, D. R., and F. W. Weckerly. 1991. Hopland Field Station deer studies. Pages 63-65 in R. H. Schmidt, R. H. Timm, and G. A. Guisti, Tech, Coord. Columbian black-tailed deer workshop: selected references in biology and management. Hopland Field Station Publ. 102.
- Gennaro, A. L., and F. W. Weckerly. 1982. Biotic species composition of a 15.26 acre area (Block 2) southwest of Portales, NM and impact of construction on the biota. Environmental Impact Report to City of Portales. 18pp.

Other (Invitations to participate in research)

- Research project to conduct population viability analysis of federally endangered golden-cheeked warblers, central Texas. Invited due to expertise in ecology and population estimation. 2010 – 2014.

- Research project of invasive caribou in the Aleutian Archipelago, Alaska. Invited due to expertise in ungulate ecology and behavior. 2011 – 2012.
- Research project of efficacy of aging technique of mule deer in southern California. Invited due to expertise in ungulate biology and statistical analyses. 2009 – 2011.
- Research project evaluating long-term monitoring of endangered Karst invertebrates in central Texas. Invited due to expertise with occupancy estimators. 2006 – 2008.

Book review:

Weckerly, F. W. 2001. Review: Caswell, H. 2001. Matrix population models, 2nd ed. for Natural Resource Modeling 14:593-595.

Papers presented at professional meetings:

*Presentation by student

- 2016 Duarte, A. *, J. S. Hatfield, F. W. Weckerly, J. L. R. Jensen, J. E. Hines, J. D. Nichols, T. M. Swannack, M. R. J. Forstner, and M. C. Green. Population dynamics and habitat conservation for the golden-cheeked warbler. Golden-cheeked warbler Symposium, Austin, Texas, January 2016.
- 2015 Peterson, L. M. *, and F. W. Weckerly. Does the density of males influence sexual segregation in Roosevelt elk. Interenational research conference for graduate students, Texas State University, November.
- 2015 AuBuchon, Kendall J., F. W. Weckerly, and T. R. Simpson. Diel and lunar influences on hunting behaviors of the mountain lionL America’s most widely distributed carnivore. Interenational research conference for graduate students, Texas State University, November.
- 2015 Thalmann, Johanna, C. *, R. T. Bowyer, F. W. Weckerly, and D. R. McCullough. Antler and body size in black-tailed deer: retrospective analysis of cohort effects. American Society of Mammalogy, Jacksonville, Florida. June.
- 2015 Thalmann, Johanna, C. *, R. T. Bowyer, F. W. Weckerly, and D. R. McCullough. Antler and body size in black-tailed deer: retrospective analysis of cohort effects. 11th Annual Western States Deer and Elk Workshop, Canmore, Alberta, Canada. May
- 2015 Thalmann, Johanna, C. *, R. T. Bowyer, F. W. Weckerly, and D. R. McCullough. Antler and body size in black-tailed deer: retrospective analysis of cohort effects. Idaho Chapter, The Wildlife Society, March.
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- 2015 Duarte, A. *, F. W. Weckerly, and J. S Hatfield. Estimating golden-cheeked warbler immigration: implications for conservation. Texas Chapter, The Wildlife Society, Corpus Christi, TX, February.
- 2015 Bhaskar, G. *, and F. W. Weckerly. Birth mass scaling in *Cervus elaphus*. Texas Chapter, The Wildlife Society, Corpus Christi, TX, February.
- 2015 Peterson, L. M. *, and F. W. Weckerly. Is sexual segregation in Roosevelt elk (*Cervus elaphus roosevelti*) influenced by male density? Texas Chapter, The Wildlife Society, Corpus Christi, TX, February.

- 2015 Kolbe, N. R.* and F. W. Weckerly. Home-range overlap of Roosevelt elk (*Cervus elaphus roosevelti*). Texas Chapter, The Wildlife Society, Corpus Christi, TX, February.
- 2015 Harrod, S. E.*, Green, M. C., F. W. Weckerly, and T. R. Simpson. Effects of landscape characteristics on nesting ecology of cavity-nesting birds. Texas Chapter, The Wildlife Society, Corpus Christi, TX, February.
- 2015 Hargrave, A. C.*, T. R. Simpson, F. W. Weckerly, D. Hahn, and J. Gallagher. Seasonal diests of sable antelope at Mason Mountain Wildlife Management Area. Texas Chapter, The Wildlife Society, Corpus Christi, TX, February.
- 2014 Weckerly, F. W. Population irruption by Roosevelt elk. American Society of Mammalogy, Oklahoma City, OK, June.
- 2014 Duarte, A.*, F. W. Weckerly, and J. S. Hatfield. Estimating immigration rate for golden-cheeked warblers using integrated population models. Texas Academy of Science, Galveston, TX, March.
- 2014 Duarte, A.*, F. W. Weckerly, and J. S. Hatfield. Using integrated population models to estimate immigration rate for golden-cheeked warblers. Texas Academy of Science, Galveston, TX, March.
- 2014 Starns, H. D.*, M. A. Ricca, A. Duarte, and F. W. Weckerly. Irruptive dynamics in a population of Roosevelt elk. Texas Chapter, The Wildlife Society, Austin, TX, February.
- 2014 Aiken, M. E.*, D. M. Wolcott, H. D. Starns, R. S. Luna, A. Duarte, and F. W. Weckerly. Variation in rumen-reticulum fill in white-tailed deer. Texas Chapter, The Wildlife Society, Austin, TX, February.
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- 2013 Julian, A.*, and F. W. Weckerly. Group size dynamics of female Roosevelt elk in the Prairie Creek and lower Redwood Creek drainages, Redwood National and State Parks. Texas Chapter, The Wildlife Society, Houston, TX, February.
- 2013 Duarte, A.*, J. S. Hatfield, J. E. Hines, J. D. Nichols, and F. W. Weckerly. Adult and juvenile survival of male golden-cheeked warblers on the Fort Hood Military Reservation. 2013 Golden-cheeked warbler Symposium, Austin, Texas.

- 2012 Luna, R. S.*, A. Duarte, and F. W. Weckerly. Rumen-reticulum characteristics, scaling relationships and ontogeny in white-tailed deer (*Odocoileus virginianus*). Interenational research conference for graduate students, Texas State University, November.
- 2012 Wolcott, D. M.*, and F. W. Weckerly. Compensatory growth in southern mule deer. Interenational research conference for graduate students, Texas State University, November.
- 2012 Parra, C.*, and F. W. Weckerly. Body weight and age influences on liver weight in white-tailed deer (*Odocoileus virginianus*): implications for reproductive effort. Interenational research conference for graduate students, Texas State University, November.
- 2012 Duarte, A. *, and F. W. Weckerly. Adult and juvenile survival of male golden-cheeked warblers on the Fort Hood military reservation. Interenational research conference for graduate students, Texas State University, November.
- 2012 Luna, R. S.*, A. Duarte, and F. W. Weckerly. Body size influence on dietary nutrition of white-tailed deer. Texas Chapter, The Wildlife Society, Ft. Worth, TX, February.
- 2012 Weaver, S. P.*, T. R. Simpson, J. T. Baccus, and F. W. Weckerly. Baseline population estimates and microclimate habitat analysis of overwintering Brazilian free-tailed bats in central Texas. Texas Chapter, The Wildlife Society, Ft. Worth, TX, February.
- 2012 Pina, V. *, Simpson, T. R., F. L. Rose, and F. Weckerly. Dietary changes of the Texas River Cotter (*Pseudemys texana*) at Spring Lake, Hays County, Texas. Texas Chapter, The Wildlife Society, Ft. Worth, TX, February.
- 2012 Flores, J. C. *, T. R. Simpson, F. W. Weckerly, and M. C. Green. Thermal relationships and nesting ecology of the Texas river cooter (*Psuedemys texana*) and red-eared slider (*Trachemys scripta elegans*) at Spring Lake, Hays County, Texas. Texas Chapter, The Wildlife Society, Ft. Worth, TX, February.
- 2011 Weyland, D. M. *, D. E. Minier, I. Wright, F. Weckerly, B. McCowan, and B. Shaffer. Impacts of an invasive turtle species (*Trachemys scripta*) on basking behavior of the western pond turtle (*Emys marmorata*) in an urban waterway. Interenational research conference for graduate students, Texas State University, November.
- 2011 Weyland, D. M. *, D. E. Minier, H. B. Shaffer, and F. W. Weckerly. Interspecific aggression between native (*Emys marmorata*) and invasive (*Trachemys scripta*) pond turtles does not result in displacement of the native species. Ecological Society of American, Austin, Texas, August.
- 2011 Weaver, S. P. *, T. R. Simpson, J. T. Baccus, and F. W. Weckerly. Microclimate characteristics of Brazilian free-tailed bat overwintering sites in central Texas. Ecological Society of American, Austin, Texas, August.
- 2011 Duarte, A. *, R. S. Luna, and F. W. Weckerly. Dynamics of rumen-reticulum capacity and fill in female white-tailed deer. Ecological Society of American, Austin, Texas, August.
- 2011 Weckerly, F. W. Density-associated changes in group sizes of male and female elk and use of meadows. The American Society of Mammalogists, Portland, Oregon, June.

- 2011 Asmus, J. L., and F. W. Weckerly. Evaluating the precision of cementum annuli analysis for aging mule deer from southern California. Western Section, The Wildlife Society, Riverside, CA, February.
- 2010 Weckerly, F. W., and J. Foster. Blind count surveys of white-tailed deer and population estimates using Bowden's estimators. The American Society of Mammalogists, Laramie, Wyoming, June.
- 2010 Warren, C.*, J. Ott, and F. Weckerly. Did you hear something? The influence of density-dependent singing behavior on the reliability of population estimates for passerine birds. Southwestern Association of Naturalists, Junction, Texas, April.
- 2010 Hunt, J.*, J. Ott, and F. Weckerly. Estimating occupancy and abundance for populations of the golden-cheeked warbler, *Dendroica chrysoparia*, in central Texas. Southwestern Association of Naturalists, Junction, Texas, April.
- 2010 Weckerly, F. W., and J. Foster. Blind count surveys of white-tailed deer and population estimates using Bowden's estimators. Southeastern Deer Study Group, San Antonio, Texas, March.
- 2010 Luna, R. S.*, and F. W. Weckerly. Effects of high protein vs. natural forage diets on rumen-reticulum morphology in white-tailed deer. Southeastern Deer Study Group, San Antonio, Texas, March.
- 2010 Foster, J., M. Mitchell, K. Schwausch, R. Reitz, F. Weckerly, and J. Carroll. Comparative analysis of population estimators in a known population of white-tailed deer. Texas Chapter, The Wildlife Society, Galveston, Texas, February.
- 2010 Hunt, J.*, J. R. Ott, and F. W. Weckerly. Occupancy estimation from point counts. City of Austin, Golden-cheeked warbler monitoring workshop, Austin, Texas, February.
- 2010 Warren, C., J. R. Ott, and F. W. Weckerly. Golden-cheeked warbler abundance and detection correlation. City of Austin, Golden-cheeked warbler monitoring workshop, Austin, Texas, February.
- 2010 Weckerly, F. W., and J. Foster. Blind count surveys of white-tailed deer and population estimates using Bowden's estimators. Texas Chapter, The Wildlife Society, Galveston, Texas, February.
- 2010 Luna, R. S.*, and F. W. Weckerly. Effects of high protein vs. natural forage diets on rumen-reticulum morphology in white-tailed deer. Texas Chapter, The Wildlife Society, Galveston, Texas, February.
- 2010 Reitz, R., M. Mitchell, K. Schwausch, J. Foster, F. Weckerly, and J. Carroll. Comparative analysis of population estimators in a known population of white-tailed deer. Texas Chapter, The Wildlife Society, Galveston, Texas, February.
- 2010 Hunt, J.*, F. W. Weckerly, and J. R. Ott. Occupancy and abundance estimates of golden-cheeked warblers on multiple areas of the Balcones Canyonlands Preserve. Golden-cheeked warbler symposium, Austin, Texas, January.
- 2010 Warren, C.*, J. R. Ott, and F. W. Weckerly. Singing behavior – density correlates in golden-cheeked warblers. Golden-cheeked warbler symposium, Austin, Texas, January.
- 2009 Warren, C.*, J. R. Ott, and F. W. Weckerly. Singing behavior – density correlates in golden-cheeked warblers. International Research Conference for Graduate Students, Texas State University, November.

- 2009 Krejca, J. K. Detection probabilities of Karst Invertebrates in Central Texas. 15th International Congress of Speleology, Kerrville, Texas, July.
- 2009 Jonker, A.*, and F. W. Weckerly. Occupancy – abundance relationships of songbirds on Camp Swift, Texas. Texas Chapter, The Wildlife Society, Lubbock, Texas, February.
- 2009 Luna, R. A.*, and F. W. Weckerly. Variation in rumen-reticulum weights of white-tailed deer. Texas Chapter, The Wildlife Society, Lubbock, Texas, February.
- 2008 Weckerly, F. W., and J. R. Ott. Trends in territory density of golden-cheeked warblers on BCP lands managed by the City of Austin. BCP Minisymposium, University of Texas, Austin, October.
- 2008 Hunt, J.*; F. W. Weckerly, and J. R. Ott. Monitoring golden-cheeked warblers on the Balcones Canyonland Preserve: are to survey and estimation techniques. BCP Minisymposium, University of Texas, Austin, October.
- 2008 Hatfield, J. S., K. E. Myrick, M. Huston, F. W. Weckerly, and M. C. Green. Comparison of Vascular Plant Species Richness and Vertebrate Species Richness in National Parks of the Eastern United States. Symposium: Spotlight on National Park Resources in the National Capital Region. Washington, D.C., March.
- 2008 Weckerly, F.W. Scaling relationships of rumen-reticulum capacity of white-tailed deer. Texas Chapter, The Wildlife Society, San Antonio, Texas, February.
- 2007 Watson, C.*; Weckerly, F.W.; Hatfield, J.S.; Farquhar, C.C.; Williamson, P.W. Detection Probabilities, Occupancy, and Survey Effort of Golden-cheeked Warblers (*Dendroica chrysoparia*) Using Detection – Nondetection Surveys. Partners in Flight, McAllen, Texas, December.
- 2007 Krejca, J.K. and F. Weckerly. Detection probabilities of karst invertebrates in Central Texas. National Cave and Karst Management Symposium. St. Louis, Missouri, November.
- 2007 Weckerly, F. W. Niche divergence and social behavior in size dimorphic ruminants. Department of Biology, Texas State University, September
- 2007 Weckerly, F. W. Density associated meadow selection by male and female Roosevelt elk. American Society of Mammalogy, Albuquerque, NM, June.
- 2007 Ferguson, A. W.*, N. A. Curitt, and F. W. Weckerly. Allometry in home range sizes of male and female bobcats. American Society of Mammalogy, Albuquerque, NM, June.
- 2007 Myrick, K.*, M. Huston, J. S. Hatfield, F. W. Weckerly, and M. C. Green. The effectiveness of a vegetation-based approach for estimating vertebrate species diversity. The George Wright Society, St. Paul, Minnesota, April.
- 2007 Grobe, K. M.*, T. R. Simpson, J. Baccus, and F. W. Weckerly. Nest site selection by western Kingbirds (*Tyrannus verticalis*) in an urban environment. Southwestern Association of Naturalists, Stephenville, TX, April.
- 2007 Stephenson, S. E.*, and F. W. Weckerly. Forage selection and sexual segregation of scimitar horned oryx on Mason Mountain Wildlife Management Area. Texas Chapter, The Wildlife Society, Beaumont, Texas, February.

- 2006 Weckerly, F. W. Constant proportionality in counts in the female segment of a Roosevelt elk population. American Society of Mammalogists, University of Massachusetts, Amherst. June.
- 2006 Richardson, K. E.*, and F. W. Weckerly. Social incompatibility, alarm state, and sexual segregation in urban white-tailed deer. American Society of Mammalogists, University of Massachusetts, Amherst. June.
- 2006 Watson, C. A.*, and F. W. Weckerly. Estimating detection probabilities of Golden-cheeked Warblers. Texas Academy of Science, Beaumont, Texas, March.
- 2006 Longoria, M. P.*, and F. W. Weckerly. Estimating detection probabilities from sign of collared Peccary. Texas Chapter, The Wildlife Society, South Padre Island, Texas, February.
- 2006 Weckerly, F. W. Change in proportion of a Roosevelt elk population counted. Texas Chapter, The Wildlife Society, South Padre Island, Texas, February.
- 2006 Osborne, L. C.*, T. R. Simpson, F. L. Rose, and F. W. Weckerly. Habitat use by the Texas River Cooter in Spring Lake, Hays County, Texas. Texas Chapter, The Wildlife Society, South Padre Island, Texas, February.
- 2005 Weckerly, F. W. Polygyny, resource selection, and detection-nondetection sampling: what do they have in common? Presentation, BIO 7102, How to be a scientist: Perspective, Texas State University, October.
- 2005 Weckerly, F. W. Adult sex ratio and meadow selection in a Roosevelt elk population. American Society of Mammalogists, SW Missouri State University, June.
- 2005 Forstner, M. R. J.*, M. Jones, J. Jackson, K. Greuter, T. Swannack, B. Weckerly, and J. Baccus. Aspects of Houston toad ecology critical to management options. Texas Parks and Wildlife Department, Bastrop, Texas, June.
- 2005 Forstner, M. R. J.*, M. Jones, J. Jackson, K. Greuter, F. Weckerly, J. Baccus, and T. Swannack. Collaborative restoration of Houston toad habitat. United States Fish and Wildlife Service. Austin, Texas, April.
- 2005 Francis, D. R.*, and F. W. Weckerly. Influence of opening weekend and weather on white-tailed deer harvests at Milan Army Ammunition Plant, Tennessee. Texas Chapter, The Wildlife Society, Amarillo, Texas, February.
- 2005 Longoria, M. P.*, and F. W. Weckerly. Using motion-triggered cameras to estimate habitat use by Collared Peccaries. Texas Chapter, The Wildlife Society, Amarillo, Texas, February.
- 2005 Weckerly, F. W. Ongoing study of a Roosevelt elk population: adult sex ratio variation and meadow selection. Seminar, Department of Biology, Texas State University – San Marcos, February.
- 2005 Weckerly, F. W. Bald Hills elk survey. Seminar, Redwood National and State Parks. Orick, California, January.
- 2004 Weckerly, F. W., C. A. Baker, J. S. Hatfield, C. Sexton, C. G. Farquhar, and J. A. Ott. Estimating detection probabilities of Golden-cheeked warblers. Golden-cheeked Warbler Symposium and Recovery Workshop. Austin, Texas, November.
- 2004 Weckerly, F. W. Population size, sex ratio and constant proportionality of indices for an elk population: preliminary findings. Southwestern Association of Naturalists, San Antonio, Texas, April.

- 2004 White, C. *, T. Simpson, R. Manning, and F. Weckerly. Avian habitat affinity in the Lost Pines region of Texas. The Wildlife Society, Kerrville, Texas, February.
- 2004 Weckerly, F. W., and J. Ott. Golden-cheeked Warbler workshop on presence-absence protocol. USFS, Austin, Texas, March.
- 2004 Weckerly, F. W. Relationships between meadows and Roosevelt elk density in a temperate rainforest. Texas Chapter, The Wildlife Society, Kerrville, Texas, February.
- 2004 Longoria, M. P.*, and F. W. Weckerly. Evaluating counting errors in photographs of collared peccaries taken with infrared motion-triggered cameras. The Wildlife Society, Kerrville, Texas, February.
- 2004 White, C. *, T. Simpson, R. Manning, and F. Weckerly. Avian habitat affinity in the Lost Pines region of Texas. The Wildlife Society, Kerrville, Texas, February.
- 2003 Weckerly, F. W. Relationships of Roosevelt elk with size and proximity of patches. American Society of Mammalogists. Texas Tech University, June.
- 2003 Weckerly, F. W. Body weight and rumen-reticulum capacity in Tule elk and Mule deer. Southwestern Association of Naturalist. University of Oklahoma, April.
- 2003 Weckerly, F. W. Hunter effort and harvest relationships of white-tailed deer on Milan Ammunition Plant, Tennessee. Texas Chapter, The Wildlife Society, Waco, TX, February.
- 2001 Weckerly, F. W. Agreement in age estimates from pairs of incisorform teeth of mule deer. Western Section, The Wildlife Society, Sacramento, CA. February.
- 1997 Weckerly, F. W. Density and stability of female-juvenile groups of Roosevelt elk. The Wildlife Society. Snowmass, CO. September.
- 1997 Weckerly, F. W. Is selective feeding behavior correlated to sexual segregation among black-tailed deer and Roosevelt elk? The Wildlife Society. September.
- 1996 Weckerly, F. W. Developing a reliable monitoring program from Roosevelt elk populations occupying dense coniferous forests. Western Section Wildlife Society, Symposium on Ecological Monitoring, Reno, NV. February.
- 1994 Weckerly, F. W. Selective feeding by black-tailed deer: is searching or handling the dominant process? The Wildlife Society, Albuquerque, NM. September.
- 1993 Weckerly, F. W. Influence of fertilized pastures on movements by black-tailed deer. American Society of Mammalogy, Bellingham, WA. June.
- 1992 Weckerly, F. W. Sexual segregation in free ranging black-tailed deer: a lack of intersexual differences in feeding behavior. American Society of Mammalogy, Salt Lake City, UT. June.
- 1992 Weckerly, F. W. Factors that bias herd composition counts of black-tailed deer in coastal California. Western Section Conference, The Wildlife Society. San Diego, CA. February.

Invited talks:

- 2015 Why do neighborhood deer thrive? Urban deer workshop, Texas Parks and Wildlife Department. San Marcos, TX. May.
- 2015 Behavior and ecology of male elk in Redwood National Park. Redwood National and State Parks, Orick, CA. January.
- 2014 Cohort effects, natal features and growth of long-lived mammals. Trinity

- University, Seminar Series in Biomathematics, San Antonio, TX.
- 2014 Population irruption by Roosevelt elk. Trinity University, Seminar Series in Biomathematics, San Antonio, TX. April.
- 2014 Population irruption by Roosevelt elk in the Prairie Creek drainage. Redwood National and State Parks, Orick, CA. January.
- 2013 Elk and prescribed fire in the redwood ecosystem. Redwood National and State Parks, Orick, CA. January.
- 2012 Elk and the road. Redwood National and State Parks, Orick, CA. January.
- 2011 My summer in the gray beast: field work in the Aleutian Islands. Student Chapter, The Wildlife Society, Texas State University, September.
- 2011 How many bulls in the Prairie Creek drainage? Redwood National and State Parks, Orick, CA. January.
- 2010 Sighting heterogeneity and Bowden's estimator. Research Design and Analysis working group, Texas State University. May
- 2010 Why do the Prairie Creek elk stay put? Redwood National and State Parks, Orick, CA. January.
- 2009 Chasing elk in the Parks: Progress Report and Future Plans. Redwood National and State Parks, Orick, CA. January.
- 2007 Fundamentals of population enumeration. Two lectures, BIO 5428, Population biology II, Spring.
- 2007 Sex ratio and population abundance of elk in the Prairie Creek drainage: 10 plus years and still ongoing. Redwood National and State Parks, Orick, CA. January.
- 2006 Occupancy models: should I use this stuff? Texas Parks and Wildlife Department, Austin, TX. November.
- 2005 Fundamentals of Population estimation. Two lectures, Graduate level Population Biology, Spring.
- 2002 Sexual segregation in Roosevelt elk: can the sexes coexist in the same group? Seminar-University of Louisiana-Lafayette, November.
- 2002 Sexual segregation in Roosevelt elk: behavior of genders in mixed-sex groups. Seminar- Southwest Texas State University, San Marcos, TX. March.
- 2001 Sexual segregation in large herbivores: voracious females and bossy males. Seminar, USFS Redwood Science Laboratory. Arcata, CA. October.
- 2001 Body size, social behavior, and sexual segregation in Roosevelt elk. Seminar, Oklahoma State University. February.
- 2000 Can functional relationships in habitat use be estimated from presence of elk sign? Seminar, University of Alaska-Fairbanks. June.
- 1999 Social dimensions to segregation among Roosevelt elk. Seminar, Oregon State University. May.
- 1998 Roosevelt elk and habitat use: What does all the sign mean? Seminar, West Virginia University. October.
- 1998 Using presence of sign to measure habitat use in Roosevelt elk. Seminar, Department of Mathematics, HSU. September.
- 1998 The social dimension in sexual segregation of Roosevelt elk. Seminar, University of Alaska-Fairbanks. May.
- 1998 Sexual segregation and social behavior in Roosevelt elk. Seminar, Eastern New Mexico University. March.

- 1997 The evolution of stable groups of female-juvenile Roosevelt elk. Seminar, Texas Tech University. October.
- 1997 Sexual segregation in black-tailed deer and Roosevelt elk is not correlated with selective feeding behavior. Seminar, University of Rhode Island. July.
- 1996 Monitoring elk in northern California. Eureka Rotarians. November.
- 1996 Sexual segregation in black-tailed deer and Roosevelt elk: is it correlated with selective feeding behavior? Seminar, University of Alaska-Fairbanks. October.
- 1995 Sexual segregation in ruminants: Can selective feeding explain sexual segregation? Seminar, Kent State University. Kent, OH. June.
- 1995 Is sexual size dimorphism correlated with selective feeding behavior in deer? Seminar, Illinois Natural History Survey, Champaign, IL. April.
- 1994 Delineating trade-offs to efficient foraging in ungulates. Seminar, Department of Zoology and Physiology. University of Wyoming. November.
- 1994 Are intersexual home range patterns linked to foraging processes in deer? Seminar, Department of Biology, Frostburg State University, MD. April.
- 1993 Sexual segregation deer: ecological and management implications. Seminar, Division of Biology, Kansas State University. November.
- 1992 Biodiversity: how much is enough? (member panel discussion) Eighteenth Annual Fish and Wildlife Conference, Humboldt State University. April.
- 1992 Deer Research at Hopland Field Station. Student Chapter, The Wildlife Society, Humboldt State University. March.
- 1992 Sexual segregation: test of the body size hypothesis. Seminar, Department of Biological Sciences, University of Montreal, January.
- 1991 Intersexual resource partitioning in deer: a test of the body size hypothesis. Seminar, Department of Wildlife, Humboldt State University. September.
- 1991 Intersexual resource partitioning in deer: how important is body size? Seminar, Museum of Vertebrate Zoology, University of California, Berkeley. May.
- 1991 New use of radio telemetry in wildlife management. Columbian black-tailed deer workshop. Hopland Field Station. April.

Invited talks Graduate students

- 2013 Duarte, A.* Population dynamics and habitat conservation for the Golden-cheeked warbler. Patuxent's Partners Seminar Series, Patuxent National Wildlife Refuge, December.

Consultancies

- 2010 Time trends of threatened and endangered Karst Invertebrates, City of Austin, Texas.
- 2008 Statistical trends in territory densities of Golden-cheeked warblers on Balcones Canyonlands Preserve, City of Austin, Texas.
- 2004 Effectiveness of presence-absence surveys for Golden-cheeked warblers. U. S. Fish and Wildlife Service. Austin Ecological Services Office.
- 2003 Multispecies inventory and monitoring: survey options to detect presence of ungulate and lagomorph species. U. S. Forest Service, Pacific Southwest Research Station, Arcata, California.

Workshops and symposia:

- 2014 Occupancy Estimation and Modeling Workshop (Dec 15 – 16), Autonomous University of Neovo Leon, Monterrey, Mexico. Workshop presented theory and application of Occupancy Models; attendance – 15. Biologists with the University.
- 2010 Golden-cheeked warbler symposium (Feb. 15), City of Austin, Texas. Co-organized (City of Austin biologists and Dr. Jim Ott) and hosted investigators studying the ecology, management, and conservation of the federally endangered song bird at the Balcones Canyonlands Preserve. Attendance was 30. Investigators were from Texas, Missouri and Maryland.
- 2006 Occupancy Estimation and Modeling Workshop (31 May – 2 June), Texas State University – San Marcos. Workshop presented theory and application of state-of-the-art Occupancy Estimation Models; attendance (projected 30, actual 40) by an international audience of conservation and wildlife professionals – academicians.

GRANTS AND CONTRACTS**Funded external grants:**

Grant	Years	Investigators/Title/ Funding source	Amount
38	2014-2018	Weckerly, F. W., and M. Clay Green. RFP No. 209g for Endangered Species Research Projects for the Black Rail.	\$199,462
37	2014-2016	Green, M. C., B. Pickens & F. W. Weckerly. Occupancy, distribution, and abundance of black rails along the Texas Gulf Coast. Section 6 Texas Parks and Wildlife	\$154,511
36	2013-2015	Diaz, P., F. W. Weckerly. Contaminants in <i>Eurycea</i> Salamanders. USFWS	\$3,500
35	2011-2012	Weckerly, F. W. Supplemental feeding of white-tailed deer: diet and animal quality. Houston Safari Club <i>Student support: Travel</i>	\$3,000
34	2011-2015	Hatfield, J. S., and F. W. Weckerly. Range-wide metapopulation viability analysis for the golden-cheeked warbler. Science Support Proposal, U. S. Fish and Wildlife Service. <i>Student support: One doctoral student for three years</i>	\$109,132
33	2009-2010	Weckerly, F. W., and J. R. Ott. Golden-cheeked warbler monitoring symposium. City of Austin, Texas	\$5,891.00
32	2009-2010	J. R. Ott and F. W. Weckerly. Trend analysis and sampling protocol development for karst invertebrate species within the Balcones Canyonlands Preserve. City of Austin, Texas <i>Student support: Summer salary one MS student</i>	\$17,493.64
31	2009-2010	Ott, J. R., and F. W. Weckerly. Singing Rate of Golden-cheeked Warblers as a Function of Territory Density: the Ecological Basis of the Relationship Between Territory Density and Warbler Detectability. City of Austin, Texas <i>Student support: One MS student for one year</i>	\$12,689.46
30	2009-2010	Weckerly, F. W. Population monitoring of elk in and adjacent to Redwood National and State Parks. Alamo	\$1,000

		Chapter, Safari Club International <i>Student support: Travel for one student</i>	
29	2008-2009	Ott, J. R., and F. W. Weckerly. Understanding sources of variation in detectability among sites and across the breeding season in Golden-Cheeked Warblers. City of Austin. <i>Student support: One MS student for one year</i>	\$12,569
28	2008-2011	Forstner, F., J. Flanagan, D. Han, J. Johnson, J. Koukyl, W. Nowlin, S. Platt, T. Simpson, F. Weckerly and X. Zhang. Assessing Texas Freshwater turtles. Texas Horned Lizard License Fee Grant, Texas Parks and Wildlife Department. Initial commitment was \$1,000,000, cut to \$750,000 after the second year. <i>Student support: Three MS students for two years</i>	\$750,000
27	2007-2009	Ott, J. R. and F. W. Weckerly. Spot mapping, occupancy and monitoring golden-cheeked warbler. City of Austin, TX. <i>Student support: One MS student for one year</i>	\$30,434.95
26	2007-2008	Weckerly, F. W., and M. C. Green. Annual bird survey of Camp Swift. Texas Military Forces. <i>Student support: One MS student for one year</i>	\$35,827
25	2007	Weckerly, F. W. Population and sex ratio trends in a Roosevelt elk population. Alamo Safari Club. <i>Student support: Travel</i>	\$2,000
24	2007-2008	Ott, J. R. and F. W. Weckerly. Analysis of nine years of longitudinal population density estimates of Golden cheeked warblers, City of Austin, Balcones Canyonlands Preserve Program.	\$19,210
23	2006-2007	Weckerly, F. W. and S. T. Stephenson. Resource selection of female and male Waterbuck and Scimitar-horned oryx. Dallas Safari Club. <i>Student support: Equipment one MS student.</i>	\$1,500
22	2006-2007	Weckerly, F. W. and C. J. Faas. Influence of Axis deer on spatial patterns of white-tailed deer: an experiment. Dallas Safari Club. <i>Student support: Equipment one MS student</i>	\$1,412
21	2006-2007	Hatfield, J. S. and F. W. Weckerly. Effectiveness of vegetation based approach to monitor vertebrate resources. U. S. Geological Service. <i>Student support: One MS student</i>	\$29,300
20	2005-2006	Weckerly, F. W. Population trends and sex-ratios of Roosevelt elk in Redwood National and State Parks. Alamo Safari Club. <i>Student support: Travel</i>	\$2,000
19	2004-2007	Weckerly, F. W., J. S. Hatfield, C. A. Baker, C. G. Farquhar, C. Sexton, and D. Holle. Estimating detection probabilities of Golden-cheeked Warblers. U.S. Geological Service. <i>Student support: One MS student for two years</i>	\$74,964
18	2004	Weckerly, F. W. Roosevelt elk population counts in Redwood National and State Park. Houston Safari Club <i>Student support: Travel</i>	\$1,000

17	2004	Weckerly, F. W., D. M. Ferrell, and M. O'Day. 2004. Body weight and gut capacity in Axis deer (<i>Axis axis</i>). Alamo Safari Club. <i>Student support: Travel and supplies</i>	\$1,000
16	2003-2004	Ott, J. R., and F. W. Weckerly. 2003. Golden cheek warbler monitoring. U.S. Fish & Wildlife Service	\$3,221
15	2003	Weckerly, F. W. Multispecies monitoring of ungulates and lagomorphs. Pacific Southwest Research Station, U.S. Forest Service. <i>Student support: summer salary one MS student</i>	\$4,769.90
14	2002-2004	Callas, R., H. Sakai, L. Diller, and F. Weckerly. Elk population assessment and habitat model validation in northern California. Rocky Mountain Elk Foundation and California Department of Fish and Game.	\$60,358
13	2001	Weckerly, F. W. Density area relationships for wildlife: resource availability or movement? Humboldt State University minigrant.	\$500
12	2000	Weckerly, F. W. Evaluating suitability of habitats for elk in north coastal California. Granite Bay Chapter/Safari Club International.	\$1,600
11	1998-2000	Weckerly, F. W., and K. E. Kovacs. North coast elk herds: assessing distribution, habitat, and implementing DNA-fecal pellet population estimation methodology. Rocky Mountain Elk Foundation and California Department of Fish and Game.	\$38,400
10	1997-1998	Weckerly, F. W., and M. Rizzardi. Development of deer herd management plan at Camp Pendleton. U. S. Navy.	\$29,048
9	1996-1997	Weckerly, F. W. Monitoring habitats and populations of Roosevelt elk in densely vegetated landscapes. Rocky Mountain Elk Foundation and California Department of Fish and Game.	\$57,000
8	1995-1996	Weckerly, F. W. 1995. The utility of distribution surveys for monitoring Roosevelt elk populations in coniferous rain forests. Rocky Mountain Elk Foundation and California Department of Fish and Game.	\$55,000
7	1994-1995	Weckerly, F. W. Monitoring elk populations in closed-canopied forests. Rocky Mountain Elk Foundation and California Department of Fish and Game.	\$27,000
6	1994	Weckerly, F. W. Estimating population abundance and demographic characteristics of Roosevelt elk in closed habitats. California Department of Fish and Game.	\$8,000
5	1993	Weckerly, F. W., and D. W. Kitchen. Deer abundance and habitat evaluation on Round Valley Indian Reservation. Bureau of Indian Affairs. \$9319.88	\$9320
4	1990	Weckerly, F. W. 1990. Activity patterns and habitat use of coastal black-tailed deer. Mendocino county Fish and Game Advisory Committee.	\$500

3	1990-1991	McCullough, D. R., and F. W. Weckerly. Development of reliable herd composition counts and population estimates for deer in coastal California. California Department of Fish and Game.	\$40,000
2	1982	Gennaro, A. L., and F. W. Weckerly. Biotic species composition of a 15 acre area near Portales, NM: impact of construction on the biota. City of Portales, New Mexico.	\$500
1	1982-1983	Gennaro, A. L., and F. W. Weckerly. Systematics of rock pocket mice (<i>Chaetodipus intermedius</i>) on New Mexico lava fields. New Mexico Department of Game and Fish.	\$1,000

Submitted and pending grants and contracts:

Submitted but not funded external grants and contracts:

2015

Ricca, M. A., and F. W. Weckerly. Developing a monitoring protocol for occupancy and productivity of non-native caribou in the Aleutian archipelago of Alaska. Safari Club International. \$50,150.

2014

Weckerly, F. W. Shoe-sting research to understand population dynamics for purposes of management. Cross Charitable Foundation. \$9,810.

Weckerly, F. W. Population irruption and dynamics of Roosevelt elk herds. Safari Club International, \$61,883.50.

2013

Weckerly, F. W. Long-term study of Roosevelt elk herds in north-coastal California. Davidson Foundation. \$48,520.

Weckerly, F. W. Elk population irruptions in a redwood ecosystem. Save the Redwoods League. \$15,000.

Hatfield, J. S., A. Duarte, F. W. Weckerly, and M. C. Green. Estimating survival rates of golden-cheeked warblers (*Setophaga chrysoparia*) in the southwestern portion of their breeding range. Science Support Program USGS. \$200,530.

Weckerly, F. W. Elk population irruptions in the Redwood ecosystem. Save the Redwoods League, \$15,000.

Diaz, P., R. Gibson, F. Weckerly, and C. Norris. Study to establish Comal Springs Riffle beetle baseline population distribution and refine riffle beetle collection methods. Edwards Aquifer Authority, Habitat Conservation Plan. \$22,663.99.

Weckerly, F. W. Prescribed fire, Roosevelt elk, and the redwood ecosystem. Save the Redwoods League, \$14,500.

Weckerly, F. W., and A. Duarte. Estimating Survival Rates of Golden-cheeked Warblers (*Setophaga chrysoparia*) in the Southwestern Portion of Their Breeding Range. Texas Parks and Wildlife, Section 6, \$151,926.90.

2012

Ricca, M. A., and F. W. Weckerly. Evaluating long term population and spatial distribution of non-native Akak Island caribou: 1098 – 2012. U. S. Fish & Wildlife, SSP-QRP. \$29,750.00.

Forstner, M., Simpson, R., Weigum, S. Veech, J., Gabor, C., Huston, M., Weckerly, F., Hahn, D.,

- Foley, D., and Dixon, J. Effects of Gas and Oil Exploration on Herpetofaunal Communities in South Texas with an Emphasis on Threatened Species. Texas Parks and Wildlife Department. \$182,599.
- Weckerly, F. W. Unraveling interactions among climate change, grassland productivity, elk herbivory, and elk-vehicle interactions. National Geographic Society, \$15,000.00.
- Ricca, M. A., and F. W. Weckerly. Monitoring growth and impacts of invasive island caribou. National Fish and Wildlife Foundation. \$95,700.00
- Weckerly, F. W., and J. A. Foster. Hunting pressure and deer behavior. Houston Safari Club. \$7,500.00.
- Ricca, M. A., Schmidt, K., and F. W. Weckerly. Unraveling interactions among climate change, elk abundance, and grassland productivity in Redwood National and State Parks. U. S. Department of Interior, POBS. \$58,998.00.
- Ricca, M. A., and F. W. Weckerly. Unraveling interactions among climate change, elk abundance, and grassland productivity in Redwood National and State Parks. U.S. Department of Commerce. Concerto Program. \$49,000.00.
- Weckerly, F. W., and M. A. Ricca. Climate change, elk herbivory, and grassland productivity in the Redwood Ecosystem. Save The Redwoods League. \$15,000.00.

2011

- Weckerly, F. W., R. L. Reitz, and J. A. Foster. Nutrient status of white-tailed deer forage in the Edwards Plateau. Texas Parks and Wildlife Department. \$91,513.
- Weckerly, F. W. White-tailed deer – habitat interactions and physiological adjustments. Safari Club International. \$4,920.00
- Ricca, M. A., and F. W. Weckerly. Interactive effects and feedbacks among climate, large herbivores, and grassland productivity with a redwood forest matrix. Pacific Landscape Conservation Cooperative. \$60,000.

2010

- Ricca, M. A., A. K. Miles, and F. W. Weckerly. Assessing relationships between introduced caribou and ecosystem function on Adak Island, Alaska. \$189,675
- Weckerly, F. W. Roosevelt elk in the Redwood Ecosystem. Save the Redwood League, \$15,000.

2009

- Weckerly, F. W. Habitat –golden cheeked warbler correlates at multiple spatial scales. Science Support Program, US Fish & Wildlife Service. \$101,690.
- Frels, D., J. A. Foster, and F. Weckerly. Movements and survivorship of mature white-tailed deer in relationship to hunting pressure. Texas Parks and Wildlife Department.
- Sarkar, S., L. O'Donnell, N. Hauwert, J. D. White, F. R. Thompson, R. Farmer, and F. W. Weckerly. Austin Urban Ecology. ULTRA Program, NSF. \$360,000.
- Weckerly, F. W. Understanding detection – density correlates in population surveys. National Geographic Society. \$15,000.00.

2008

- Weckerly, F. W. Status review of the endangered golden-cheeked warbler. Texas Parks and Wildlife. Section 6, \$40,000.
- Weckerly, F. W. Patches, consumer grouping, and resource acquisition. NSF, DEB-Population & Evolutionary Processes Cluster. July 2008. \$521,114.

- Wolverton, S., J. H. Kennedy, R. Thompson, M. A. Huston, and F. W. Weckerly. Explaining macrogeographic body size variation in a generalist ungulate. NSF, DEB-Ecological Biology Cluster. July 2008. \$361,612.
2007
- Green, M. Clay, J. Baccus, M. Forstner, F. Rose, R. Simpson, F. Weckerly, and M. Small. Assessment of Lower Rio Grande River Corridor vertebrate fauna and connectivity correlates. SWG, Texas Parks and Wildlife Department.
- Weckerly, F. W., and T. R. Simpson. Developing a visibility model for aerial surveys of mule deer. Texas Parks and Wildlife Department.
- Weckerly, F. W., J. S. Hatfield, and D. D. Diamond. Viability of Golden-cheeked Warbler populations on public lands. Section 6, Texas Parks and Wildlife Department.
- Wolverton, S., J. H. Kennedy, R. Thompson, M. A. Huston, and F. W. Weckerly. Collaborative Research: Spatial variation in secondary production: Identifying surrogates and correlations with net primary production. NSF, DEB-Ecological Biology Cluster.
2006
- Weckerly, F. W., M. A. Ricca, and H. Sakai. Roosevelt elk and nitrogen cycling in the Redwood Ecosystem. Save the Redwoods League.
- Huston, M. A., S. S. West, and F. W. Weckerly. Spatio-temporal integration of real-time digital data from a Hill Country ecosystem for teaching and research. Advanced Research Program, State Of Texas.
- Weckerly, F. W. Why do Roosevelt elk stay in the same meadows? National Geographic Society. \$10,000.00
2005
- Weckerly, F. W., and M. R. J. Forstner. LTREB: The role of habitat selection in adult sex ratio variation in polygynous species. Environmental Biology Program, NSF.
- Ricca, M. A., F. W. Weckerly, and A. K. Miles. Management of declining Roosevelt elk in Redwood State and National Parks. U.S. National Park Service.
- Ricca, M. A., A. K. Miles, and F. W. Weckerly. Investigating declining population of Roosevelt elk in Redwood State and National Parks. U.S. National Park Service.
- Weckerly, F. W., C. A. Baker, and J. S. Hatfield. Vegetation, terrain and detection of Golden-cheeked warblers. USGS, Quick Response Proposal.
- Weckerly, F. W. Habitat and Estimating Detection Probabilities of Golden-cheeked Warblers. Section 6 Proposal, Texas Parks and Wildlife Department.
- Weckerly, F. W., and C. A. Baker. Estimating detection probabilities of Golden-cheeked warblers. Arthur A. Seeligson, Jr. Conservation Fund.
2004
- Weckerly, F. W., and S. M. Cooper. Digestion among individual mammalian herbivores: do interspecific scaling relationships apply? Integrative Biology Program, National Science Foundation.
- Weckerly, F. W., D. C. Ruthven, and J. F. Gallagher. Hunter effort, harvest size and long-term monitoring of Collared Peccary. Texas Department of Parks

and Wildlife.

Huston, M., J. Baccus, R. Simpson, C. Nice, F. Weckerly. Managing Variable and Uncertain Resources: Precision Ranching and Conservation in the Texas Hill Country. USDA – NRI Proposal. 23.1 Managed Ecosystems – Integrated Research and Education Project on Ecosystem Health and Fire Management.

Simpson, T. R., F. W. Weckerly, and M. R. J. Forstner. Human-raccoon conflicts in urban ecosystems. Berryman Foundation.

2003

Weckerly, F. W., and T. W. Schwertner. Deer and oak populations at Mason Mountain WMA: estimating deer browsing on oak seedlings and acorn crops. Texas Parks and Wildlife Department.

2002

Weckerly, F. W. Population counts of Roosevelt elk in Redwood State and National Park. Modesto Safari Club.

Funded internal grants

2002 Weckerly, F. W. Javalina and the landscape: using motion sensitive cameras to estimate resource selection. Research Enhancement Grant, Texas State University. \$8,000.

Submitted, but not funded, internal grants and contracts

2011 Weckerly, F. W. and N. A. Currit. Climate change, elk herbivory, and grassland productivity. \$8,000.

2010 Weckerly, F. W. Resource partitioning of small patches by herbivore groups. REP program. \$8,000.

2009 Weckerly, F. W. and P. S. Barboza. Climate change, food intake, and animal response. One time funds, \$66,805.10.

2006 Weckerly, F. W. Is scaling between body weight and gut capacity isometric? REP program. \$8,000.

2005 Weckerly, F. W. Does polygyny affect resource distribution. REP program. \$8,000.

2004 Weckerly, F. W. Estimating detection probabilities of Golden-Cheeked Warblers. REP program. \$8,000.

Other:

Certified Wildlife Biologist, The Wildlife Society (2000 – present)

IV. SERVICE

Committees:

University:

1. Steering Committee – Research Design and Analysis Working Group (2010 – 2013)
2. Academic Computing Resources Committee (2005-2007)
3. Undergraduate Scholarships review panel (2004)

College:

1. College of Science, Graduate student scholarship selection committee (2004 – 2006)

Departmental:

Chair

1. M.S. Wildlife Ecology Program, 2013 - Present
2. Mentor Joe Veech 2011 – 2013
3. Lecturer Evaluation Committee (2009 – present)
4. Wildlife Management & Conservation Faculty Search 2010 – 2011
5. Ad Hoc Committee evaluating Performance and Merit (2008)
6. Co-Chair, Assessment and Implementation committee (2007 – 2010)

Member

1. Graduate committee (2013 – Present)
2. Budget committee (2010 – present)
3. Statistical Consultant – Graduate students and Faculty (2002 – present)
4. Research Enhancement Program, Biology representative 2013
5. Outstanding Achievement in Wildlife Management (2009)
6. Curriculum Committee (2008 – 2011)
7. Ph.D. Proposal – Conservation and Integrative Biology (2007)
8. Russell and Ruth Strandtmann Field Biology Award, (2003, 2005, 2007)
9. Computing and networks committee (2005 – 2011)
10. Statistical Design Committee (2002 – 2004)
11. Planning committee (2003)
12. Student Computer Rooms (2003)
13. Faculty evaluator, 8th annual Biology Student Colloquium (2003)

Departmental job search Committees:

1. Department chair search committee (2006)
2. Wildlife Ecologist search committee (2005)
3. Quantitative Ecologist search committee (2004)
4. Wildlife Ecology and Conservation search committee (2007)

Professional service:

Grant Proposal Reviews

1. Israel Science Foundation (1999)
2. National Science Foundation (2000)
3. Ecological Research Center, Department of Biology, University of Memphis (2010)

Committees

1. Edwards Aquifer Recovery Habitat Conservation Plan Science Committee, Edwards Aquifer Authority (2012 – present)
2. Golden-Cheeked Warbler Recovery Team, U.S. Fish & Wildlife Service (2009 – present)
3. Chair, Honorary Life Membership, Texas Chapter, The Wildlife Society (2015)
4. Publications Award Committee, Texas Chapter, The Wildlife Society (2006, 2011)
5. Golden-cheeked warbler Status Review, Texas Parks and Wildlife Department (2009)
6. Wildlife Diversity Advisory Committee, Texas Parks and Wildlife Department (2006 – 2011)
7. Resolution Committee, American Society of Mammalogy (2006 – 2007)
8. Publications Committee, American Society of Mammalogy (2003 – 2006)
9. Grants-in-aid committee, The American Society of Mammalogy (2002 – 2003)
10. Chair, Student Travel Grant Committee. Western Section, The Wildlife Society

(July 1996)

Community service:

- Spoke with Gifted & Talented 5th grade class, De Zavala Elementary School, San Marcos, Texas, April 2010.

Editorship

- Associate Editor, *Southwestern Naturalist* (2010 – 2012)
- Associate Editor, *Journal of Mammalogy* (2003 – 2006)

Reviewed for: *Acta Ethologica, Acta Zoologica Sinica, Alces, American Midland Naturalist, American Naturalist, Animal Behaviour, Behavioral Ecology, Behaviour, Biology Letters, Biological Conservation, California Fish and Game Journal, Canadian Journal of Zoology, Comparative Biochemistry and Physiology, Ecology, Ecological Applications, Environmental Management, Ethology, Functional Ecology, Herpetologica, Journal of Animal Ecology, Journal of Biogeography, Journal of Mammalogy, Journal of Wildlife Management, Journal of Zoology, Landscape and Urban Planning, Marine Mammal Science, Plos One, Restoration Ecology, Southwestern Naturalist, Texas Journal of Science, Urban Ecosystems, Western North American Naturalist, Wildlife Biology, Wildlife Research, Zoo Biology*

Professional Affiliations

- American Society of Mammalogy
- The Wildlife Society
- Ecological Society of America
- Society for Northwestern Vertebrate Biology
- American Association for the Advancement of Science

AWARDS

- 2015 Outstanding Graduate Student Mentor Award, The Graduate College, Texas State University
- 2015 Alpha Chi Favorite Professors, Honors College, Texas State University
- 1988 Outstanding Graduate Student Presentation, Tennessee Chapter, The Wildlife Society.
- 1984 Outstanding Graduate Student Presentation, Tennessee Chapter, The Wildlife Society.