

TEXAS STATE VITAE

I. Academic/Professional Background

A. Name: Floyd W. Weckerly

Title: Associate 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
Associate Professor of Biology	Texas State University	2008 - present
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:

Graduate Students Supervised Texas State University

1. Parra, Claire, A. Fall 2012. Body weight and age influences on liver weight in white-tailed deer (*Odocoileus virginianus*): implications for reproductive effort. M.Sc. Thesis.
2. Warren, Christopher C. (Co-chair Jim Ott) Fall 2011. Singing behavior leads to detection bias in a territorial songbird. M.Sc. Thesis.
3. Duarte, Adam. Spring 2011. Dynamics of rumen-reticulum capacity and fill in white-tailed deer (*Odocoileus virginianus*). M.Sc. Thesis. *Manuscript from thesis published in European Journal of Wildlife Research.*
4. Jonker, Amber L. Fall 2010. Modeling the relationship between estimates of local

- occupancy and local abundance in avian species. M.Sc. Thesis.
5. Hunt, Jason W. (Co-chair Jim Ott) Summer 2010. Estimating occupancy and abundance of golden-cheeked warblers (*Dendroica chrysoparia*) in central Texas. M.Sc. Thesis. *Manuscript from thesis published in The Auk.*
 6. Street, Garrett M. Spring 2010. Forage abundance as the impetus for large ruminant aggregation: a modeling approach. M.Sc. Thesis.
 7. Faas, Clinton J. Summer 2008. Habitat interference by exotic axis deer (*Axis axis*) on native white-tailed deer (*Odocoileus virginianus*) in Texas. M.Sc. Thesis. *Manuscript from thesis published-Journal of Wildlife Management*
 8. 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. M.Sc. Thesis. *Manuscript from thesis published-Southwestern Naturalist*
 9. 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.
 10. Watson, Cynthia, A. (Co-chair Paula Williamson). Summer 2006. Estimating detection probabilities of Golden-cheeked Warblers. M.Sc. Thesis. *Manuscript from thesis published in Animal Conservation*
 11. Richardson, Katherine. Summer 2006. Sexual segregation in urban white-tailed deer: social incompatibility or predation risk? M.Sc. Thesis. *Manuscript from thesis published in Canadian Journal of Zoology in 2007*
 12. Ramzinski, Dawn. Spring 2006. Scaling relationship between body weight and gut capacity in Axis deer (*Cervus axis*). M.Sc. Thesis. *Manuscript from thesis published in Journal of Mammalogy in 2007*
 13. Francis, Deena R. Spring 2005. Influence of opening weekend and weather on white-tailed deer harvests at Milan Army Ammunition Plant, Tennessee. M.Sc. Thesis.
 14. Longoria, Meredith P. Fall 2004. Using motion-triggered cameras to estimate habitat use by Collared Peccaries. M.Sc. Thesis. *Manuscript from thesis published in Journal of Wildlife Management in 2007*

Graduate Students Supervision in progress

Dissertation

1. Luna, Ryan S. *Began Fall 2008, advanced to candidacy Fall 2010.* Rumen-reticulum morphology, plasticity, and function.
2. Duarte, Adam. *Began Fall 2011,* Population viability analysis of golden-cheeked warblers.
3. Wolcott, Daniel. *Began Fall 2011,* Compensatory growth in herbivores.

Thesis

1. Meredith Aiken. *Began Fall 2012,* Gut fill variation in white-tailed deer.
2. Heath Starns. *Began Fall 2012,* Meadow productivity, climatic variation, and elk herbivory.

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

1. Adam Duarte awarded Houston Safari Club Scholarship (\$4,000), 2010, 2011.
2. Ryan Luna awarded Houston Safari Club Scholarship (\$7,000), 2009, 2010.
3. Ryan Luna awarded travel grant (\$200) by American Society of Mammalogy, 2010.
4. Adam Duarte awarded travel grant (\$200) by American Society of Mammalogy, 2010.
5. Ryan Luna awarded Harvey – Luna Scholarship (\$14,000), 2009, 2010.
6. Clinton Faas awarded Houston Safari Club Scholarships, 2006 & 2007.
7. Sarah Stephenson awarded a Houston Safari Club scholarship, 2007.
8. Kaci Myrick awarded a Durrenburger Scholarship for Women in Science, 2006.
9. Dawn Ramzinski awarded Houston Safari Club Scholarships, 2004 & 2005.
10. Meredith Longoria awarded a College of Science Scholarship, 2004 & 2005.

Graduate student committees Texas State University

Dissertation

1. McCracken, Shawn. F. 2012. Environmental quality effects and the ecological context of a rainforest canopy bromeliad fauna. Ph.D. Dissertation
2. Williams, Casey S. 2010. Life history characteristics of three obligate riverine species and drift patterns of lower Brazos River fishes. Ph.D. Dissertation.
3. Jackson, Jacob, T. 2010. Demography and population structure of a Rio Grande endemic emydid, the Big Bend slider. Ph.D. Dissertation.
4. Mazir, Babur. 2009. Saprophytic growth and *Frankia* diversity in soil. Ph.D. Dissertation.
5. Small, Michael F. 2007. Flow alteration of the lower Rio Grande and white-winged dove range expansion and monitoring techniques. Ph.D. Dissertation.

Thesis

1. Curtis, Stephen G. 2012. Effects of a declining hydrograph on instream habitats and fish communities in a semi-arid karstic stream. M.Sc. Thesis.
2. Weaver, Sara P. 2012. Overwintering Brazilian free-tailed bats (*Tadarida brasiliensis*) in central Texas: baseline population estimates and microclimate habitat analysis. M.Sc. Thesis.
3. Ruiz, Kenneth, A. 2012. Nesting niche partitioning by mourning and white-winged doves with observations of other sympatric Columbids. M.Sc. Thesis.
4. Morgan, Stephanie. 2012. Bat species and habitat use in the Trans-Pecos of Texas. M.Sc. Thesis.
5. Pina, Vanessa. 2012. Changes in habitat with subsequent changes in diet of the Texas River Cooter in Spring Lake, Texas, USA. M.Sc. Thesis.
6. Heaton, Meredith. R. 2011. Eastern Pipistrelle (*Perimyotis subflavus*) internal temperature differences and sex ratio in Gorman cave hibernaculum. M.Sc. Thesis.
7. Duran, Melissa A. 2010. Mix it up: Program evaluation of teacher professional development correlated space science and geology and mathematics. M.Sc. Thesis.

8. Mali, Ivana. 2010. Reproductive patterns of Texas River Cooter (*Pseudemys texana*) and red-eared slider (*Trachemys scripta elegans*) at Spring Lake, Hays County, Texas. M.Sc. Thesis.
9. Simpler, William S. 2010. Spatial connectivity among black-capped vireo populations. M.Sc. Thesis
10. Dammeyer, Nathan T. 2010. Movement patterns of *Etheostoma fonticola* in a headwater stream. M.Sc. Thesis.
11. Kollaus, Kristy. 2009. Fish assemblage structure and habitat associations in a Texas spring-fed river. M.Sc. Thesis.
12. Birnbaum, Sandra J. 2009. Habitat characterization and pilot reintroduction of star cactus (*Astrophytum asterias*). M.Sc. Thesis.
13. Hood, Glen. 2009. The causes and consequences of a shift in oviposition timing of a host-specific gall forming wasp. M.Sc. Thesis.
14. McDermid, K. M. 2009. Food habits of the Common Musk Turtle (*Sternotherus odoratus*) in Lentic and Lotic habitats. M.Sc. Thesis.
15. Holderby, Zachary. 2008. Differences in reproductive ecology and behavior between polymorphic Reddish Egrets (*Egretta rufescens*) in the Upper Laguna Madre. M.Sc. Thesis.
16. Gloyna, Lisa A. 2008. Evaluation of teacher professional development mix it up: *correlated science & math* instructional model. M.Sc. Thesis.
17. Gonzales, T.K. 2008. Conservation genetics of Comal Springs riffle beetle (*Heterelmis comalensis*) populations in central Texas. M.Sc. Thesis.
18. Heard, Tom C. 2008. Spatial and temporal patterns in a Chihuahuan desert fish assemblage. M.Sc. Thesis.
19. Bean, M. G. 2008. Occurrence and impact of the Asian fish tapeworm *Bothriocephalus acheilognathi* in the Rio Grande (Rio Bravo Del Northe). M.Sc. Thesis.
20. Korn, J. M. 2008. Evaluating avian communities of the Blanco River Valley using occupancy modeling and landowner conducted surveys. M.Sc. Thesis.
21. Jones, R. L. 2008. Ecological dynamics of native bottomland pecan communities in the Edwards Plateau of Texas. M.Sc. Thesis.
22. Barlow, R. E. 2008. Food habits of hunter collected northern bobwhite quail (*Colinus virginianus*) at the Chaparral Wildlife Management Area in south Texas. M.Sc. Thesis.
23. Romaine-Houston, Dawn. 2008. Foraging behavior of the black-capped vireo in Texas. M.Sc. Thesis.
24. Polak, Bobby. 2008. Influence of human recreational activities and vegetative characteristics on waterbird abundance. M.Sc. Thesis.
25. Malone, Dawnelle. 2007. Baseline studies of invasive African buffelgrass (*Cenchrus ciliaris*) in Big Bend National Park, Texas. M.Sc. Thesis.
26. Cooksey, Mathew L. 2007. Assessment of infrared-triggered camera surveys for estimating white-tailed deer populations in central Texas. M.Sc. Thesis
27. Gonzalez, Rosie. 2007. Male mate choice in relation to female size in *Poecilia latipinna*. M.Sc. Thesis.
28. Grobe, Katherine M. 2007. Nest site selection by western Kingbirds (*Tyrannus verticalis*) in an urban environment. M.Sc. Thesis.

29. Johnson, Adam J. 2007. Calcium requirements and beyond: signal transduction in pigment granule motility of retinal pigment epithelium. M.Sc. Thesis.
30. Sperry, Cynthia. 2007. Influences of borders on golden-cheeked warbler habitat in the Balcones Canyonlands Preserve, Travis County, Texas. M.Sc. Thesis.
31. Kalmbach, A. 2006. Effects of exotic plant species in central Texas urban habitats on Neotropical migrant bird species composition, relative abundance, and distribution. M.Sc. Thesis.
32. Osbourne, Linda. 2006. Habitat use of River cooters, (*Psuedomys scripta*) in Spring Lake. M.Sc. Thesis
33. Smith, Daniel A. 2006. Assessment of student scientific attitudes after teacher participation in authentic scientific research. M.Sc. Thesis.
34. Zickler, W. 2006. Impact of invasive plants on bird density in central Texas urban habitats. M.Sc. Thesis.
35. Copland, Chad M. 2005. Using pharmacological agents to elucidate the muscarinic receptor subtype involved in pigment granule dispersion. M.Sc. Thesis.
36. 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. M.Sc. Thesis.
37. Milholland, Matt. 2005. Nutria in a desert environment. M.Sc. Thesis
38. Troy, Jeffrey. 2005. Habitat use of eastern Phobie. M.Sc. Thesis.
39. Burpo, Nicole. 2004. Consequences of variation in dietary protein on captive-raised black knob map turtles (*Graptemys nigrinoda*, Emydidae). M.Sc. Thesis.
40. Cryer, Gregory. 2004. Temporal and spatial patterns of parasitoid attack on a root-galling Cynipid. M.Sc. Thesis.
41. Dufault, Deirdra. 2004. Habitat occupancy by the Black-capped Vireo (*Vireo atricapillus*) following prescribed burns at Kerr Wildlife Management Area. M.Sc. Thesis.
42. Gumm, Jennifer. 2004. Species and mate quality recognition in *Poecillia latipinna*. M.Sc. Thesis.
43. Keifer, S. J. 2004. Habitat affinities for white-tailed deer and Rio Grande turkey at the Griffith League Ranch, Bastrop County, Texas. M.Sc. Thesis.
44. Schafer, Cynthia, L. 2004. Whitewing distribution, movements and reproduction in a recently colonized urban environment. M.Sc. Thesis.
45. 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. M.Sc. Thesis.
46. Thaker, Maria. 2004. Sensory cues, association preferences, and social interactions in the San Marcos salamander. M.Sc. Thesis.
47. Egan, Scott. 2003. Abundance and distribution of a gall-forming herbivore: variation in host plant quality or deme formation? M.Sc. Thesis.
48. Morris, Susannah R. 2003. Systematics of locally endemic short-tailed shrews, *Blarina* (Insectivora: Soricidae), in Bastrop and Aransas Counties, Texas. M.Sc. Thesis.
49. Mostyn, Christopher. 2003. Overabundant white-tailed deer and Golden-cheeked Warbler habitat. M.Sc. Thesis.

50. White, Clay J. 2003. Avian habitat affinity in the Lost Pines region of Bastrop County, Texas. M.Sc. Thesis.

Graduate Student Committees Non-Thesis

1. Adhikari, Arjun. 2009.
2. Zafin, Holly. 2011.

Graduate Student Committees Humboldt State University

1. Fallon-McKnight, Maura. 2009. Diet of exotic fallow deer and a restored herd of tule elk at Point Reyes National Seashore, California.
2. Hutchins, Nicole R. 2006. Diet, nutrition, and reproductive success of Roosevelt elk in managed forests of the Olympic Peninsula, Washington. M.Sc. Thesis.
3. 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.
4. Savage, Anya. 2001. Behavioral model of Roosevelt elk. M.Sc. Thesis.
5. Popham, Gail, P. 2000. Sage grouse nesting habitat in NE California. M.Sc. Thesis.
6. 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

Dissertation

1. McCracken, Shawn F. Environmental quality effects and the ecological context of vertically stratified rainforest canopy fauna.
2. Oxley, Florence. Managing an aquatic invasive species, *Cryptocoryne beckettii*, in the San Marcos River Ecosystem.
3. Sha, Qiong. Distribution, diversity and persistence of salmonellae in aquatic biofilms.
4. Whitney, Suzanne. Effects of temporal changes in wetlands on population and community dynamics of wetland birds.

Thesis

1. Munters, Alexandra, E. American Oystercatcher (*Haematopus palliatus*) reproductive ecology on the upper Texas coast.
2. Bell, J. An evaluation of Mountain lion (*Puma concolor*) presence in the Edwards Plateau ecoregion of Texas.
3. Henson, Jeremy D. A comparative analysis of plant species distribution and growth response to edaphic features between the San Saba River and its tributary.
4. Cummings, Katherine. Cowbird settlement cues.

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)

- 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.
- Luna, R. S., A. Duarte, and F. W. Weckerly. 2013. Rumen-reticulum characteristics, scaling relationships and ontogeny in white-tailed deer (*Odocoileus virginianus*). Canadian Journal of Zoology 91:*In press*. Contribution: Major advisor, suggested idea.
- Weckerly, F. W. 2012. Conspecific body weight, food intake, and rumination time affect food processing and forage behavior. Journal of Mammalogy 94: *In press*.
- Street, G. M., F. W. Weckerly, and S. Schwinning. 2012. Modeling forage mediated aggregation in a gregarious ruminant. Oikos *In press*. Contribution: Co-major Advisor with Susan Schwinning, suggested idea.
- 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
- 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: Conducted field work.
- 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.
- 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.
- 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.
- 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: Analyzed data
- 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.
- Robinson, S. E., and F. W. Weckerly. 2010. Forage selection and grouping by male and female scimitar-horned oryx in the Llano Uplift region of Texas. Southwestern Naturalist 55:510-516. Contribution: Major Advisor for thesis and corresponding

author. Partial funding from grant 23.

- Faas, C. J., and F. W. Weckerly. 2010. Habitat interference by axis deer on white-tailed deer. Journal of Wildlife Management 74:698-706. Contribution: Major Advisor for thesis and corresponding author. Partial funding from grant 22.
- Gaston, M. A., A. Fujii, F. W. Weckerly, and M. R. J. Forstner. 2010. Potential component Allee effects and their impact on wetland management in the conservation of endangered anurans. PLOS One 5(4):e10102 (6 pages). Contribution: Statistical assistance, paper written as class project BIO 7406.
- Weckerly, F. W. 2010. Allometric scaling of rumen-reticulum capacity in white-tailed deer *Odocoileus virginianus*. Journal of Zoology 280:41-48.
- Ferguson, A. W., N. A. Currit, and F. W. Weckerly. 2009. Isometric Scaling in Home Range Size of Male and Female Bobcats (*Lynx rufus*). Canadian Journal of Zoology 87:1052-1060. Contribution: Suggested topic for class project (BIO 7406) and corresponding author.
- Watson, C. A., F. W. Weckerly, J. S. Hatfield, C. C. Farquhar, and P. S. Williamson. 2008. Presence – Nonpresence surveys of golden-cheeked warblers: detection, occupancy, and survey effort. Animal Conservation 12:484-492. Contribution: Provided Major advisor for thesis, obtained funding, and corresponding author. Funding from grant 19.
- Krejca, J. K., and B. Weckerly. 2008. Detection probabilities of Karst invertebrates. Proceedings of the Cave and Karst Management Symposium 18:283-289.
- Ferguson, A. W., F. W. Weckerly, J. T. Baccus, and M. R. J. Forstner. 2008. Evaluation of Predator Attendance at Pitfall Traps in Texas. Southwestern Naturalist 53:450-457. Contribution: Provided statistical consultation.
- Jones, R. L., F. W. Weckerly, and D. R. McCullough. 2008. Influence of age and sex on dressed–whole weight relationships in a California black-tailed deer population. California Fish and Game 94:137-142. Contribution: Suggested topic for class project (BIO 7406) and corresponding author.
- Richardson, K. E., and F. W. Weckerly. 2007. Intersexual social behavior of urban white-tailed deer and its evolutionary implications. Canadian Journal of Zoology 85:759-766. Contribution: Major Advisor for thesis and corresponding author. Partial funding from grants 17, 18, and 20.
- Shelton, S. L., and F. W. Weckerly. 2007. Inconsistencies in historical geographic range maps: the gray wolf as example. California Fish and Game 93:224-227. Contribution: Suggested topic for class project (BIO 7406) and corresponding author. Partial funding from grants 14.
- Ramzinski, D. W., and F. W. Weckerly. 2007. Scaling relationship between body weight and fermentation gut capacity in Axis deer (*Axis axis*). Journal of Mammalogy 88:415-420. Contribution: Major Advisor for thesis and corresponding author. Partial funding from grant 17.
- Weckerly, F. W. 2007. Constant proportionality in the female segment of a Roosevelt elk population. Journal of Wildlife Management 71:773-777. Parital funding from grants 6, 7, 8, 14, 17, 18, and 20.
- Longoria, M. P., and F. W. Weckerly. 2007. Estimating detection probabilities of Collared Peccary from sign. Journal of Wildlife Management 71:652-655. Contribution: Major Advisor for thesis and corresponding author. Partial funding

from 2002 research enhancement program grant and grants 17 and 18.

- Jackson, J. T., F. W. Weckerly, T. M. Swannack, and M. R. J. Forstner. 2006. Inferring absence of Houston Toads given imperfect detection probabilities. Journal of Wildlife Management 70:1461-1463. Contribution: Project for class (BIO 7406), assisted with data analysis, and corresponding author. Partial funding provided by grant 11.
- Small, M. F., J. T. Baccus, and F. W. Weckerly. 2006. Are subcutaneous implanted transmitters really better than intracoelomic? A response. Wildlife Society Bulletin 34:890-893. Contribution: Revision of rebuttal
- Weckerly, F. W., M. L. Kennedy, and S. Stephenson. 2005. Hunter effort-harvest size relationships among hunt types of white-tailed deer. Wildlife Society Bulletin 33:1303-1311.
- Keifer, S. J., and F. W. Weckerly. 2005. Population density and body weight influences on home range size of feral hogs. California Fish and Game 91:136-142. Contribution: Class project (BIO 7406), consulted on analyses and corresponding author
- Weckerly, F. W. 2005. Grass and supplemental patch selection in a population of Roosevelt elk. Journal of Mammalogy 86:630-638. Partial funding provided by grants 6, 7, 8.
- Weckerly, F. W., K. A. McFarland, M. A. Ricca and K. P. Meyer. 2004. Cropping rates, social affinity and sexual segregation in Roosevelt elk when population density changes. American Midland Naturalist 152:386-399. Partial funding provided by grants 6, 7, 8, McFarland was an undergraduate student who assisted with data collection.
- Small, M. F., R. Rosales, J. T. Baccus, F. W. Weckerly, D. N. Phalen, and J. A. Roberson. 2004. A comparison of effects of radiotransmitter attachment techniques on captive white-winged doves. Wildlife Society Bulletin 32:627-637. Contribution: Analyzed data
- Weckerly, F. W. 2004. Movement of male and female black-tailed deer foraging on acorns. Northwestern Naturalist 85:16-19.
- Weckerly, F. W., V. C. Bleich, C. B. Chetkiewicz, and M. A. Ricca. 2003. Body weight and rumen-reticulum capacity in tule elk and mule deer. Journal of Mammalogy 84:659-664.
- Weckerly, F. W., Ricca, M. A., and K. P. Meyer. 2001. Sexual segregation in Roosevelt elk: cropping rates and aggression in mixed-sex groups. Journal of Mammalogy 82:825-835.
- Weckerly, F. W. 2001. Are large male Roosevelt elk less social because of aggression? Journal of Mammalogy 82:414-421.
- Weckerly, F. W., and M. A. Ricca. 2000. Using the presence of sign to measure habitats used by Roosevelt elk. Wildlife Society Bulletin 28:146-153.
- Weckerly, F. W. 1999. Social bonding and aggression in female Roosevelt elk. Canadian Journal of Zoology 77:1379-1384.
- Weckerly, F. W. 1998. Sexual segregation and competition in Roosevelt elk (*Cervus elaphus roosevelti*). Northwestern Naturalist 79:113-118.
- Weckerly, F. W., and K. E. Kovacs. 1998. Using military helicopters to survey elk in north coastal California. California Fish and Game 84:44-47.

- Weckerly, F. W. 1998. Sexual size dimorphism: influence of mass and mating system in the most dimorphic mammals. *Journal of Mammalogy* 79:33-52.
- Weckerly, F. W. 1996. Roosevelt elk along the Prairie Creek drainage: an evaluation of estimating abundance and herd composition. *California Fish and Game* 82:175-181.
- Ricca, M. A., F. W. Weckerly, and R. D. Semlitsch. 1996. The effects of soil moisture and temperature on overwinter survival of *Curculio* larvae (Coleoptera:Curculionidae). *The American Midland Naturalist* 136:203-206.
- Main, M. M., F. W. Weckerly, and V. C. Bleich. 1996. Sexual segregation in ungulates: new directions for research. *Journal of Mammalogy* 77:449-461.
- Weckerly, F. W. 1994. Selective feeding behavior of black-tailed deer: forage quality or abundance? *Journal of Mammalogy* 75:705-713.
- Massey, B. N., F. W. Weckerly, C. E. Vaughn, and D. R. McCullough. 1994. Correlations between fecal N and diet composition in free-ranging black-tailed deer. *The Southwestern Naturalist* 39:165-170.
- McCullough, D. R., F. W. Weckerly, P. I. Garcia, and R. R. Evett. 1994. Sources of inaccuracy of deer herd composition counts. *Journal of Wildlife Management* 58:319-329.
- Weckerly, F. W. 1993. Intersexual resource partitioning in black-tailed deer: a test of the body size hypothesis. *Journal of Wildlife Management* 57:475-494.
- Weckerly, F. W. 1992. Territoriality in North American *Odocoileus*: a call for a common definition. *Wildlife Society Bulletin* 20:228-231.
- Weckerly, F. W., and M. L. Kennedy. 1992. Examining hypotheses about feeding strategies of white-tailed deer. *Canadian Journal of Zoology* 70:432-439.
- Kennedy, M. L., J. P. Nelson, Jr., F. W. Weckerly, D. W. Sugg, and J. C. Stroh. 1991. An assessment of selected forest factors and lake level in raccoon management. *Wildlife Society Bulletin* 19:151-154.
- Weckerly, F. W., and J. P. Nelson, Jr. 1990. Age and sex differences of white-tailed deer diet composition, quality, and calcium in Tennessee. *Journal of Wildlife Management* 54:532-538.
- Weckerly, F. W., K. E. Nicholson, and R. D. Semlitsch. 1989. Experimental test of discrimination of insect infested and noninfested acorns by squirrels. *American Midland Naturalist* 122:412-415.
- Weckerly, F. W., D. W. Sugg, and R. D. Semlitsch. 1989. Germination success of acorns (*Quercus*): insect predation and tannins. *Canadian Journal of Forest Research* 19:811-815.
- Weckerly, F. W. 1989. Plasticity in length of hindgut segments of white-tailed deer. *Canadian Journal of Zoology* 67:189-193.
- Weckerly, F. W., A. L. Gennaro, and T. L. Best. 1988. Description of a new rock pocket mouse, *Chaetodipus intermedius*, from New Mexico lava fields. *The Southwestern Naturalist* 33:100-102.
- Weckerly, F. W., P. L. Leberg, and M. L. Kennedy. 1987. Density estimates of the Virginia Opossum (Marsupialia:Didelphidae) in western Tennessee. *Tennessee Academy of Science* 62:108-110.
- Weckerly, F. W., P. L. Leberg, and R. A. Van Den Bussche. 1987. Variation of

weight and chest girth in white-tailed deer. *Journal of Wildlife Management* 51:334-337.

- Pfaffenberger, G. S., F. W. Weckerly, and T. L. Best. 1986. Male pseudohermaphroditism in a population of kangaroo rats, *Dipodomys ordii*. *Southwestern Naturalist* 30:124-125.
- Weckerly, F. W., and T. L. Best. 1985. Morphological variation among rock pocket mice, *Chaetodipus intermedius*, from New Mexico lava fields. *Southwestern Naturalist* 30:491-501.

Non-refereed Articles:

- 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.
- Weckerly, F. W., and J. R. Ott. 2008. Statistical trends of Golden-cheeked warblers on Balcones Canyonlands Preserve, City of Austin, Texas. 30 pp.
- Krejca, J. K., and B. Weckerly. 2007. Detection probabilities of Karst invertebrates. Final Report, Texas Parks and Wildlife Department. 27 pp.
- Forstner, M. R. J., M. C. Jones, F. W. Weckerly, and T. R. Simpson. 2006. Small mammal response to prescribed fire in Bastrop State Park, Bastrop, Texas. Texas Parks and Wildlife Department contract # 158587. 33 pp.
- Manley, P. N., B. Van Horne, J. K. Roth, W. J. Zielinski, F. W. Weckerly, T. J. Weller, M. M. McKenzie, and C. Hargis. 2005. Multiple species inventory and monitoring—technical guide. U.S. Forest Service. 193 pp.
- Weckerly, F. W., and D. R. Francis. 2004. Elk in north coastal California: habitat suitability, sign survey utility, and population monitoring. Final Report, California Department of Fish and Game. 61 pp.
- Weckerly, F. W. 2003. Multispecies inventory and monitoring: survey options to detect presence of ungulate and lagomorph species. Final Report, Pacific Southwest Research Station, U.S. Forest Service. 9pp.
- 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.
- Weckerly, F. W. 2001. Elk habitat index in north coastal California: correlation with presence of sign. Final Report, California Department of Fish and Game, 30 pp.
- Weckerly, F. W. 1998. Minimum population size and pellet-group densities: Smith River population. Final Report, California Department of Fish and Game, 5 pp.
- Weckerly, F. W. 1998. Marine Corps Base, Camp Pendleton deer herd management plan. Final Report, U. S. Navy. 67pp.
- Weckerly, F. W. 1997. Monitoring Roosevelt elk in north coastal California: suitable habitat, sex ratio and sexual segregation, and population estimation. Final

- Report, California Department of Fish and Game. 56pp.
- Weckerly, F. W. 1996. Monitoring populations of Roosevelt elk in dense coniferous forest: patterns of distribution, development of distribution surveys and population simulation. Final Report, California Department of Fish and Game. 76pp.
 - Weckerly, F. W., and M. A. Ricca. 1995. Developing a reliable population-monitoring program for Roosevelt elk occupying dense coniferous forest. Final Report, California Department of Fish and Game. 58pp.
 - Weckerly, F. W., and J. R. Dunk. 1993. Assessment of habitat and population size of the deer herd on Round Valley Tribal Land, Mendocino County, California. 24pp.
 - 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.
 - Weckerly, F. W. 1991. Citations on guidelines for use of radio-telemetry. Pages 263 in R. H. Schmidt, R. H. Timm, and G. A. Guisti, Technical Coordinators. Columbian black-tailed deer workshop: selected references in biology and management. Hopland Field Station Publ. 102.
 - 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.

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

- 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 Cooter (*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 (*Pseudemys 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. International 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:

- 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.

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:

- 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
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	2011-2014	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 Chapter, Safari Club International <i>Student support: Travel for one student</i>	\$1,000
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:

Weckerly, F. W. Prescribed fire, Roosevelt elk, and the redwood ecosystem. Save the

Redwoods League, \$14,500.

Submitted but not funded external grants and contracts:

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- chee

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

Member

1. Budget committee (2010 – present)
2. Outstanding Achievement in Wildlife Management (2009)
3. Curriculum Committee (2008 – 2011)
4. Ph.D. Proposal – Conservation and Integrative Biology (2007)
5. Russell and Ruth Strandtmann Field Biology Award, (2003, 2005, 2007)
6. Computing and networks committee (2005 – 2011)
7. Statistical Consultant – Graduate students and Faculty (2002 – present)
8. Statistical Design Committee (2002 – 2004)
9. Planning committee (2003)
10. Student Computer Rooms (2003)
11. 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. Golden-Cheeked Warbler Recovery Team, U.S. Fish & Wildlife Service (2009 – present)
2. Publications Award Committee, Texas Chapter, The Wildlife Society (2006, 2011)
3. Golden-cheeked warbler Status Review, Texas Parks and Wildlife Department (2009)
4. Wildlife Diversity Advisory Committee, Texas Parks and Wildlife Department (2006 – 2011)
5. Resolution Committee, American Society of Mammalogy (2006 – 2007)
6. Publications Committee, American Society of Mammalogy (2003 – 2006)

7. Grants-in-aid committee, The American Society of Mammalogy (2002 – 2003)
8. 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, Herpetologica, Journal of Wildlife Management, Journal of Mammalogy, Journal of Zoology, Landscape and Urban Planning, Marine Mammal Science, 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