TEXAS STATE VITA

I. Academic/Professional Background

A. Name: Joseph A. Veech Title: Professor (September 2020)

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
Ph.D.	2000	University of Nevada, Reno	Ecology, Evolution, and Conservation Biology	Dissertation: Apparent competition among the seeds of desert plants: causes and consequences. Advisor: Stephen H. Jenkins
M.S.	1992	New Mexico State University	Biology	Thesis: Reproductive character displacement in a cricket hybrid zone. Advisor: Daniel J. Howard
B.S.	1989	Texas A&M University	Zoology	none

C. University Experience

Position	University	Dates
Professor	Texas State University	9/2020 - present
Associate Professor	Texas State University	9/2014 – 8/2020
Assistant Professor	Texas State University	9/2008 – 8/2014
Research Assistant Professor	University of Northern Colorado	9/2004 – 8/2008
Research Associate	Colorado State University	9/2002 – 8/2004
Post-doctoral Scholar	Miami University (Oxford, OH)	8/2000 – 8/2002

D. Relevant Professional Experience

Associate Editor, Journal of Biogeography (2010 – 2017)
Software Developer – PARTITION 3.0 (software for conducting analyses of species diversity) – downloaded and used by thousands of researchers.
Co-developer of R-package ‘cooccur’ (w/Daniel Griffith and Charles Marsh) – R code for running probabilistic model of species co-occurrence.

E. Teaching Honors and Awards:

Alpha Chi Favorite Professor for 2020

One recent citation (Spring 2019) from a graduating senior "asked to name a faculty member that contributed significantly to success and development of the student", Graduating Student Recognition of Campus Support Program.

Four official citations from the Student Affairs Office – program that requests freshman students to name a faculty member that most contributed to their freshman year success.

Seven official citations Student Affairs Office – program that requests graduating undergrad and grad students to name a faculty member that most contributed to their success and development.

F. Courses Taught:

Scientific Writing (University of Northern Colorado 2004 - 2008)
Ecology (Miami University 2002 and University of Northern Colorado 2006 - 2008)
Organismal Biology (BIO 1431, 1331)
Population and Conservation Biology (BIO 7428)
Biological Resources: Conservation and Planning (BIO 4319)
Bird Conservation and Management (BIO 4350I)
Population Biology Seminar (BIO 7120) – "*Species on the move: from individual dispersal to range dynamics*"
Population Biology Seminar (BIO 7120) – *"Habitat Ecology"*
Population Biology Seminar (BIO 7120) – *"Naturalized species: good, bad, or neutral"*
Population Biology Seminar (BIO 7120) – *"Species reintroductions"*
Habitat Ecology (BIO 4388/5388)

G. Graduate Theses/Dissertations or Exit Committees:

1. Main Advisor (Chair of Committee)

Students that have graduated:
Aaron Rinker, M.S. 2008, University of Northern Colorado
Bindu Viswanathan, M.S. 2010
Erin Feichtinger, M.S. 2012
Doug Phillips, M.S. 2012 (Co-Advisor with Dr. Randy Simpson)
Katherine Cummings, M.S. 2013
Matt Haverland, M.S. 2014
Stephanie Miller, M.S. 2014
John Muller, M.S. 2015
Suzanne Whitney, Ph.D. 2015
Laura Bliss, M.S. 2016
Alyssa Fink, M.S. 2017
Caley Zuzula, M.S. 2017
Silas Ott, M.S., 2017 (Co-Advisor with Dr. Randy Simpson)
Skylar Flaska, M.S. 2018
Grady Terry, M.S., co-advising w/Ott, 2019

Jared Haney, M.S., 2019
Daniel Guerra, M.S., 2020
Nick Johns, M.S., 2021
Joseph Plappert, M.S., 2021
Carli Martinez, M.S., 2022
Christian Guajardo, M.S., 2023
Danielle Gay, M.S., 2023
Erin Berkenkamp, M.S., 2024
Elisa Williams, M.S., 2024
Daniel Guerra, Ph.D., 2024
Drew Berdo, M.S., 2025
Tanner Shepard, M.S., 2025

Students in progress:
Dawn Houston, Ph.D.
Maya Folkes, Ph.D.
Sarah Khayyatzadeh, M.S.
Maya Flores, M.S.
Allison Schellenberg, M.S.
Daniela Acuña, M.S.

2. Member of Graduate Committee

Students that have graduated:
Dana Spontak, M.S. 2009 (Advisor: Baccus)
Margaret Collins, M.S. 2009 (Advisor: Baccus)
Jared Timmons, M.S. 2010 (Advisor: Baccus)
Jason Hunt, M.S. 2010 (Advisor: Weckerly)
Alayne Fronimos, M.S. 2011 (Advisor: Baccus)
Sean Rissel, M.S. 2011 (Advisor: Green)
Chris Warren, M.S. 2011 (Advisor: Ott)
Lisa Jones, M.S. 2011 (Advisor: Schwinning)
Brock Geary, M.S. 2012 (Advisor: Green)
Jennifer Oakley, M.S. 2012 (Advisor: Simpson)
Craig Handley, M.S. (non-thesis) 2011 (Advisor: Nice)
Jeff Troy, Ph.D. 2013 (Advisor: Green)
Devin Preston, M.S. 2013 (Advisor: Forstner)
Susan Uthuppuru, M.S. 2013 (Advisor: Castro-Arellano)
Jacquie Ferrato, M.S. 2013 (Advisor: Simpson)
Ginny Eaton, M.S. 2013 (Advisor: Bonner)
Melissa Phillips, M.S. 2014 (Advisor: Bonner)
Derek Wallace, M.S. 2015 (Advisor: Forstner)
Harlan Nichols, M.S. 2015 (Advisor: Bonner)
Myranda Clark, M.S. 2015 (Advisor: Bonner)
Nicholas Baker, M.S. 2015 (Advisor: Daniel Stouffer) University of Canterbury (New Zealand)
Michelle (Kathryn) Benavidez, M.S. 2016 (Advisor: Castro-Arellano)
Michelle Curtis, M.S. 2016 (Advisor: Simpson)
Matt Milholland, Ph.D. 2017 (Advisor: Castro-Arellano)
James Tolliver, M.S. 2017 (Advisor: Weckerly)
Austin Leone, M.S. 2017 (Advisor: Kristy Daniel)

Meagan Bell, M.S., 2017 (Advisor: Simpson)
Emily Javan, M.S. 2018 (Advisor: Castro-Arellano)
Candice Rodriguez, M.S. 2018 (Advisor: Castro-Arellano) – on sabbatical, did not participate in defense
Madison Torres, M.S. 2018 (Advisor: Castro-Arellano) – on sabbatical, did not participate in defense
David Ruppel, Ph.D., 2019 (Advisor: Bonner)
Maxie Kiehne, M.S., 2019 (Advisor: Forstner)
Anjika Udayanga Attanayake, Ph.D., 2020, (Advisor: Eric Lamb) University of Saskatchewan
Rebecca Cavalier, M.S., 2020 (Advisor: Serenari)
Elizabeth Pratt, M.S., 2020 (Advisor: Serenari)
Jackie Tleimat, M.S., 2021 (Advisor: Fritts)
Tatiana Hargrove, M.S., Anthropology, 2022 (Advisor: Michelle Hamilton)
Stuart Beaumont, M.S., 2022 (Advisor: Colleen Downs) University of KwaZulu-Natal, South Africa
Margaret Stoneham, M.S., 2022 (Advisor: Castro-Arellano)
Dillon Monroe, Ph.D., 2023 (Advisor: Gabor)
Garrett Pugh, M.S., Geography, 2023 (Advisor: Jensen)
Brianna Mena, M.S., 2025 (Advisor: Castro-Arellano)
Brier Klossing, M.S., 2025 (Advisor: Castro-Arellano)

Students in progress:
Alyssa Arguijo, M.S. (Advisor: Siciliano-Martina)
Indra Acharja, Ph.D. (Advisor: Green)
Evan Brown, M.S. (Advisor: Green)

H. Courses Prepared and Curriculum Development:

BIO 7405 – Statistics and Experimental Design
BIO 4319 - Biological Resources: Conservation and Planning
BIO 4350I - Bird Conservation and Management
BIO 7120 Seminar: Species on the move: from individual dispersal to range dynamics
BIO 7120 Seminar: Habitat Ecology
BIO 7120 Seminar: Naturalized species: good, bad, or neutral
BIO 7428 – Population and Conservation Biology II
BIO 4388/5388 – Habitat Ecology

III. SCHOLARLY/CREATIVE

A. Books

Veech, J. A. 2021. *Habitat Ecology and Analysis*. Oxford University Press, Oxford, UK.

B. Refereed Journal Articles *(manuscripts in review not listed)*:

Current H-index: 29 – ISI Web of Science, 34 – Google Scholar, Total citations 5,960 in Google Scholar

Plappert, J. L., J. A. Veech, J. P. Martina, and J. J. Giacomo. 2024. Canopy cover as the primary factor affecting habitat use by grassland-shrubland bird species in central Texas, USA. **Journal of Field Ornithology 95:10**.

Martinez, C. R. and J. A. Veech. 2024. Tufted titmice, black-crested titmice, and their hybrids occupy different types of habitat within their hybrid zone. **Evolutionary Ecology 38:495-511**.

Siciliano-Martina, L., D. A. Guerra, and J. A. Veech. 2023. Forelimb morphology as an adaptation for burrowing in kangaroo rat species (Genus *Dipodomys*) that inhabit different soil substrates. **Journal of Mammalogy 104:1377-1389**.

Haney, J. W., J. A. Veech, I. Castro-Arellano, and S. R. Fritts. 2022. Museum and citizen-science data indicate contraction in the range of Texas horned lizards (*Phrynosoma cornutum*). **Herpetologica 78:102-109**.

Kulkoyluoglu, O., J. A. Veech, and A. Tuncer. 2022. New ostracod species (*Cypridopsis schwartzi* n. sp.) from Texas, with discussion on the taxonomic status of *Cypridopsis* species in the USA. **Zootaxa 5196:331-354**.

Strona, G., P. S. A. Beck, M. Cabeza, S. Fattorini, F. Guilhaumon, F. Micheli, S. Montano, O. Ovaskainen, S. Planes, J.A. Veech, and V. Parravicini. 2021. Ecological dependencies make remote reef fish communities most vulnerable to coral loss. **Nature Communications** 12:e7282.

Veech, J. A. and T. Cave. 2021. Using road surveys and N-mixture models to estimate the abundance of a cryptic lizard species. **Journal of Herpetology** 55:46-54.

Ferrato, J. R., R. M. Kostecke, J. A. Veech, J. A. Muller, and C. M. Reemts. 2021. Wintering habitat associations of a declining grassland bird, the Sprague's Pipit (*Anthus spragueii*). **Southwestern Naturalist** 65:34-44.

Ott, S. L., J. A. Veech, T. R. Simpson, I. Castro-Arellano, and J. Evans. 2019. Mapping potential habitat and range-wide surveying for the Texas kangaroo rat (*Dipodomys elator*). **Journal of Fish and Wildlife Management** 10:619-630.

Bliss, L. M., J. A. Veech, I. Castro-Arellano, and T. R. Simpson. 2019. GIS-based habitat mapping and population estimation for the Gulf Coast kangaroo rat (*Dipodomys compactus*) in the Carrizo Sands Region of Texas, USA. **Mammalian Biology** 98:17-27.

Benavidez, K. M., T. Guerra, M. Torres, D. Rodriguez, J. A. Veech, D. Hahn, R. J. Miller, F. V. Soltero, A. E. P. Ramirez, A. P. de Leon, and I. Castro-Arellano. 2019. The prevalence of *Leptospira* among invasive small mammals on Puerto Rican cattle farms. **PLOS Neglected Tropical Diseases** 13:e0007236.

Muller, J. A., J. A. Veech, and R. M. Kostecke. 2018. Landscape-scale habitat associations of Sprague's Pipits wintering in the southern United States. **Journal of Field Ornithology 89:326-336.**

McGarvey, D. J. and J. A. Veech. 2018. Modular structure in fish co-occurrence networks: a comparison across spatial scales and grouping methodologies. **PLoS ONE e0208720.**

Strona, G., T. J. Matthews, S. Kortsch, and J. A. Veech. 2018. NOS: a software suite to compute node overlap and segregation in ecological networks. **Ecography 41:558-566.**

Troy, J. R., N. D. Holmes, J. A. Veech, A. F. Raine, and M. C. Green. 2017. Habitat suitability modeling for the endangered Hawaiian petrel on Kauai and analysis of predicted habitat overlap with the Newell's shearwater. **Global Ecology and Conservation 12:131-143**.

Veech, J. A., K. L. Pardieck, and D. J. Ziolkowski, Jr. 2017. How well do route survey areas represent landscapes at larger spatial extents? An analysis of land cover composition along Breeding Bird Survey routes. **Condor 119:607-615**.

Muller, J. A., J. A. Veech, and J. Roach. 2017. Terrestrial herpetofauna diversity in three habitats at Tishomingo National Wildlife Refuge, Oklahoma. **Southeastern Naturalist 16:182-194**

Strona, G., and J. A. Veech. 2017. Forbidden vs. permitted interactions: disentangling processes from patterns in ecological network analysis. **Ecology and Evolution 7:5476-5481**

Haverland, M. B. and J. A. Veech. 2017. Examining the occurrence of mammal species in natural areas within a rapidly urbanizing region of Texas, USA. **Landscape and Urban Planning 157:221-230**.

Strona, G., A. Mauri, J. A. Veech, G. Seufert, J. S. Ayanz, and S. Fattorini. 2016. Far from naturalness: how much does spatial ecological structure of European tree assemblages depart from Potential Natural Vegetation? **PLoS ONE e0165178.**

Veech, J. A., J. R. Ott, and J. R. Troy. 2016. Intrinsic heterogeneity in detection probability and its effect on N-mixture models. **Methods in Ecology and Evolution 7:1019-1028.**

Ferrato, J. R., T. R. Simpson, M. F. Small, J. A. Veech, and M. Conway. 2017. Population density and habitat associations of the Seaside Sparrow on Laguna Atascosa National Wildlife Refuge, Cameron County, Texas. **Wilson Journal of Ornithology 129:131-138.**

Griffith, D. M., J. A. Veech, and C. J. Marsh. 2016. Cooccur: probabilistic species co-occurrence analysis in R. **Journal of Statistical Software 69:1-17.**

Strona, G. and J. A. Veech. 2015. A new measure of ecological network structure based on node overlap and segregation. **Methods in Ecology and Evolution 6:907-915**.

Ferrato, J. R., M. F. Small, T. R. Simpson, J. A. Veech, and M. H. Conway. 2014. Definitive nesting of Seaside Sparrows at Laguna Atascosa National Wildlife Refuge, Cameron County, Texas. **Bulletin of the Texas Ornithological Society 461:62-63.**

Troy, J. R., N. D. Holmes, J. A. Veech, Andre F. Raine, and M. C. Green. 2014. Habitat suitability modeling for the Newell's shearwater on Kauai. **Journal of Fish and Wildlife Management 5:315-329.**

Veech, J. A. 2014. The pairwise approach to analysing species co-occurrence. **Journal of Biogeography 41:1029-1035** (*guest editorial*).

Cummings, K., and J. A. Veech. 2014. Assessing the influence of geography, land cover, and host species on the local abundance of a generalist brood parasite, the Brown-headed Cowbird. **Diversity and Distributions 20:396-404.**

Troy, J. R., N. D. Holmes, J. A. Veech, and M. C. Green. 2013. Using observed seabird fallout records to infer patterns of attraction to artificial light. **Endangered Species Research 22:225-234**

Warren, C. C., J. A.Veech, F. W. Weckerly, L O'Donnell, and J. R. Ott. 2013. Local abundance and detection heterogeneity in a territorial songbird. **The Auk 130:677-688**

Warren, C. C., J. R. Ott, and J. A. Veech. 2013. Effects of slope, aspect, and canopy cover on site occupancy by Black-and-white Warblers (*Mniotilta varia*) and Golden-cheeked warblers (*Setophaga crysoparia*) in the juniper-oak woodlands of central Texas. **American Midland Naturalist 169:382-397**

Feichtinger, E. E. and J. A. Veech. 2013. Association of Scissor-tailed Flycatchers (*Tyrannus forficatus*) with specific land-cover types in south-central Texas. **Wilson Journal of Ornithology 125:314-321.**

Veech, J. A. 2013. A probabilistic model for analyzing species co-occurrence. **Global Ecology and Biogeography 22:252-260.**

Small, M. F., J. A. Veech, and J. L. R. Jensen. 2012. Local landscape composition around North American Breeding Bird Survey routes. **Ecology 93:2298.**

Veech, J. A. 2012. Significance testing in ecological null models. **Theoretical Ecology 5:611-616.**

Veech, J. A., M. F. Small, and J. T. Baccus. 2012. Representativeness of land cover composition along routes of the North American Breeding Bird Survey. **The Auk 129:259-267.**

Small, M. F., J. A. Veech, and J. T. Baccus. 2012. A Comparison of White-winged Dove (*Zenaida asiatica*) densities obtained during morning and evening surveying. **Journal of Fish and Wildlife Management 3:158-163.**

Fronimos, A. B., J. T. Baccus, M. F. Small, and J. A. Veech. 2011. Use of urban bird feeders by White-winged Doves and Great-tailed Grackles in Texas. **Bulletin of the Texas Ornithological Society 44:34-40.**

Veech, J. A., M. F. Small, and J. T. Baccus. 2011. The effect of habitat on range expansion of a native and an introduced bird species. **Journal of Biogeography 38:69-77.**

Collins, M. L., M. F. Small, J. A. Veech, J. T. Baccus, and S. J. Benn. 2010. Dove habitat association based on remotely sensed land cover types in south Texas. **Journal of Wildlife Management 74:1568-1574.**

Veech, J. A. and T. O. Crist 2010. Toward a unified view of diversity partitioning. **Ecology 91: 1988 – 1992.**

Veech, J. A., and T. O. Crist. 2010. Diversity partitioning without statistical independence of alpha and beta. **Ecology 91:1964-1969.**

Cardoso, P., P. A. V. Borges, and J. A. Veech. 2009. Testing the performance of beta diversity measures based on incidence data: the robustness to undersampling. **Diversity and Distributions 15:1081-1090.**

Veech, J. A. and T. O. Crist. 2007. Habitat and climate heterogeneity maintain beta-diversity of birds among landscapes within ecoregions. **Global Ecology and Biogeography 16:650-656.**

Veech, J. A. 2006. A probability-based analysis of temporal and spatial co-occurrence in grassland birds. **Journal of Biogeography 33:2145-2153.**

Crist, T. O., and J. A. Veech. 2006. Additive partitioning of rarefaction curves and species-area relationships: unifying alpha, beta, and gamma diversity with sample size and habitat area. **Ecology Letters 9:923-932.**

Veech, J. A. 2006. A comparison of landscapes occupied by increasing and decreasing populations of grassland bird species. **Conservation Biology 20:1422-1432.**

Veech, J. A. 2006. Increasing and declining populations of northern bobwhites inhabit different types of landscapes. **Journal of Wildlife Management 70:922-930.**

Summerville, K. S., T. D. Wilson, J. A. Veech, and T.O. Crist. 2006. Do body size and diet breadth affect partitioning of species diversity? A test with forest Lepidoptera. **Diversity and Distributions 12:91-99.**

Veech, J. A., and S. H. Jenkins. 2005. Comparing the effects of granivorous rodents on survival of Indian ricegrass (*Oryzopsis hymenoides*) seeds in mixed and monospecific seed patches. **Western North American Naturalist 65:321-328.**

Veech, J. A. 2005. Analyzing patterns of species diversity as departures from random expectations. **Oikos 108:149-155.**

Crist, T. O., J. A. Veech, K. S. Summerville, and J. C. Gering. 2003. Partitioning species diversity across landscapes and regions: a hierarchical analysis of α, β, and γ diversity. **American Naturalist 162:734-743.**

Veech, J. A., T. O. Crist, and K. S. Summerville. 2003. Intraspecific aggregation decreases the local species diversity of arthropods. **Ecology 84:3376-3383.**

Summerville, K. S., M. J. Boulware, J. A. Veech, and T. O. Crist. 2003. Spatial variation in species diversity and composition of forest Lepidoptera in eastern deciduous forests of North America. **Conservation Biology 17:1045-1057.**

Gering, J. C., T. O. Crist, and J. A. Veech. 2003. Additive partitioning of species diversity across multiple spatial scales: implications for regional conservation of biodiversity. **Conservation Biology 17:488-499.**

Veech, J. A. 2003. Incorporating socioeconomic factors into the analysis of biodiversity hotspots. **Applied Geography 23:73-88.**

Veech, J. A., T. O. Crist, K. S. Summerville, and J. C. Gering. 2002. The additive partitioning of species diversity: recent revival of an old idea. **Oikos 99:3-9.**

Summerville, K. S., J. A. Veech, and T. O. Crist. 2002. Does behavioral variation among butterfly species contribute to nestedness at fine spatial scales? **Oikos 97:195-204.**

Longland, W. S., S. B. Vander Wall, S. H. Jenkins, S. Pyare, and J. A. Veech. 2001. Seedling recruitment in Indian ricegrass (*Oryzopsis hymenoides*): are desert granivores mutualists or predators? **Ecology 82:3131-3148.**

Veech, J. A. 2001. The foraging behavior of granivorous rodents and short-term apparent competition among seeds. **Behavioral Ecology 12:467-474.**

Veech, J. A. 2000. Predator-mediated interactions among the seeds of desert plants. **Oecologia 124:402-407.**

Veech, J. A. 2000. A null model for detecting non-random patterns of species richness along spatial gradients. **Ecology 81:1143-1149.**

Veech, J. A., D. A. Charlet, and S. H. Jenkins. 2000. Interspecific variation in seed mass and the coexistence of conifer species, a null model test. **Evolutionary Ecology Research 2:353-363.**

Veech, J. A. 2000. Choice of species-area function affects identification of hotspots. **Conservation Biology 14:140-147.**

Vander Wall, S. B., W. S. Longland, S. Pyare, and J. A. Veech. 1997. Cheek pouch capacities and loading rates of heteromyid rodents**. Oecologia 113:21-28.**

Veech, J. A., J. H. Benedix, and D. J. Howard. 1996. Lack of calling song displacement between two closely related ground crickets. **Evolution 50:1982-1989.**

C. Book Chapters

Veech, J. A. and G. Strona. 2021. Using network analysis to explore the role of dispersal in producing and maintaining island species-area relationships. Chapter 15 (pp. 368-398) in *The Species-Area Relationship: Theory and Application*, T. J. Matthews, K. Triantis, and R. Whittaker (editors). Cambridge University Press.

Veech, J. A. 2021. Using landscape ecology to inform effective management. Chapter 5 (pp. 68 – 83) in *Wildlife Management and Landscapes: Principles and Applications*, D. M. Williams, C. Parent, and P. Krausman (editors). Johns Hopkins University Press.

Veech, J. A. 2018. Measuring Biodiversity. In The Encyclopedia of the Anthropocene, Volume 3, Pages 287-295, D. A. DellaSala and M. I. Goldstein (eds.), Oxford: Elsevier. (Book chapter)

D. Published Abstracts:

Fink, A.A., and Veech, J.A. 2017. Analysis of dispersal, survival, and habitat selection of reintroduced Texas horned lizards (*Phrynosoma cornutum*). Society for Integrative and Comparative Biology, Annual Meeting, New Orleans, LA

Veech, J.A. 2004. Using structural equation modeling to test hypotheses of species diversity, Society for Integrative and Comparative Biology, Annual Meeting, New Orleans, LA

E. Reports:

Veech, J. A., Guerra D. A., Castro-Arellano, I., and Plappert, J. L. 2023. Estimating size and density of roadside populations of the Texas kangaroo rat. Final project report for Grant F20AC11497-00, USFWS, 12 pp.

Veech, J., Milholland, M., Ott, S., Simpson, R., and Castro-Arellano, I. 2018. The next phase of Texas kangaroo rat research: dispersal, fine-scale movement, habitat management, and initiation of a captive population. Final project report for Grant TX E-195-R-1, TPWD and USFWS, 25 pp.

Veech, J. A. 2017. Final report to the Texas Comptroller's Office: Sprague's Pipit Research Project. 109 pp.

Veech, J. A., Muller, J. A., and Bliss, L. 2016. Survey of Sprague's Pipits using protected areas in the state of Texas during the winter of 2015-2016. Unpublished report provided to Texas Comptroller's Office – Endangered Species Research Program, 36 pages.

Veech, J.A. and Muller, J.A. 2015. Report. Update on Sprague's Pipit Project. Submitted to Texas Comptroller's Office – Endangered Species Research Program.

Forstner, M.R.J., M.F. Small, J.A. Veech, and J.R. Dixon. 2011. Report. Data from field work, land cover change, and museum records of *Holbrookia lacerata* in Texas. Submitted to USFWS, July 25th 2011. 7pg

Veech, J.A. 2007. Report. Landscape-level analyses of the effect of the CRP on grassland bird diversity and abundance. Submitted to Natural Resources Conservation Service.

F. Book Reviews:

Veech, J. A. 1999. The promise of macroecology (review of Untangling ecological complexity, the macroscopic perspective, by Brian A. Maurer. University of Chicago Press). **Quarterly Review of Biology 74:450-451.**

G. Papers Presented at Professional Meetings:

(*This list only includes presentations in which I was the presenter. It does not include presentations in which I was a co-author but not the presenter.*)

Veech, J.A., K. Pardieck, and D. Ziolkowski. 2016. How well do route survey areas represent landscapes at larger spatial extents? An analysis of land cover composition along Breeding Bird Survey routes. North American Ornithological Conference; Washington, D. C.

Veech, J.A. and J.R. Jensen. 2014. Analysis of land cover along routes of the North American Breeding Bird Survey. AOU annual meeting, Estes Park, Colorado

Veech, J.A. and M.F. Small. 2013. A regression-based method for assessing the representativeness of landscapes. US Chapter of the International Association of Landscape Ecologists. Austin, TX.

Veech, J. A. 2012. A probability-based reanalysis of a classic dataset from community ecology and biogeography. Ecological Society of America. Portland, Oregon

Veech, J. A. 2011. Beyond randomization: a probabilistic model of species co-occurrence. Ecological Society of America. Austin, Texas

Veech, J. A. 2007. Benefits of the Conservation Reserve Program to grassland birds. Soil and Water Conservation Society. Tampa, FL

Veech, J. A. 2004. Using structural equation modeling to test hypotheses of species diversity, Society for Integrative and Comparative Biology. New Orleans, LA

Veech, J. A., and T. O. Crist 2004. Diversity partitioning: a new method of analyzing species diversity. Ecological Society of America. Portland, OR

Veech, J. A. 2000. The distribution-abundance relationship and intraspecific aggregation. Ecological Society of America, Tucson, AZ

Veech, J. A. and S. H. Jenkins 1999. Foraging behavior of granivorous rodents can lead to apparent competition among plants. American Society of Mammalogists. Seattle, WA

Veech, J. A. and S. H. Jenkins 1997. Predator-mediated apparent competition among the seeds of desert plants. Ecological Society of America, Albuquerque, NM

(*Students as first authors. This is a partial list;* ***it has not been updated since 2017***)

Adcock, M. E., T. R. Simpson, J. A. Veech, M. C. Green, and R. W. Manning. 2017. Soil and vegetative association of heteromyid rodents in central and south Texas. Texas Chapter of the Wildlife Society; San Antonio, TX.

Bell, M. M., T. R. Simpson, J. Veech, and T. Swannack. 2017. Comparison of fine scale vegetative parameters at active and inactive Gulf Coast kangaroo rat burrow sites. Texas Chapter of the Wildlife Society; San Antonio, TX.

Fink, A. A. and J. A. Veech. 2017. Analysis of dispersal, survival, and fine-scale habitat selection of reintroduced Texas horned lizards. Texas Chapter of the Wildlife Society; San Antonio, TX.

Ott, S. L., I. Castro-Arellano, M. C. Green, T. R. Simpson, and J. A. Veech. Using soil associations to model potential habitat of the Texas kangaroo rat. Texas Chapter of the Wildlife Society; San Antonio, TX.

Bliss, L. and J. Veech. 2016. Habitat availability assessment for the Gulf Coast kangaroo rat (*Dipodomys compactus*) in south-central Texas. North American Congress for Conservation Biology; Madison, WI.

Bliss, L. and J. Veech. 2016. Habitat availability assessment for the Gulf Coast kangaroo rat (*Dipodomys compactus*) in south-central Texas. US-International Association of Landscape Ecologist; Asheville, NC.

Muller, J. A. and J. Veech. 2016. Landscape-scale habitat associations of overwintering Sprague's Pipits. US-International Association of Landscape Ecologist; Asheville, NC.

Troy, J., N. Holmes, J. Veech, and M. Green. 2013. Using observed seabird fallout records to infer patterns of attraction to artificial light. US Chapter of the International Association of Landscape Ecologists. Austin, TX.

Phillips, D.W., J.A. Veech, T.R. Simpson, and F.L. Rose. 2013. Microhabitat use and population density of the Gulf Coast kangaroo rat at their northern distribution limit. Southwest Association of Naturalists annual meeting. Lake Charles, LA.

Troy, J. R., N. D. Holmes, J. A. Veech, and M. C. Green. 2012. Terrestrial habitat suitability modeling for Newell's Shearwaters on Kauai. 39th Meeting of the Pacific Seabirds Group. Turtle Bay, HI.

Phillips, D.W., J.A. Veech, T.R. Simpson, and F.L. Rose. 2012. Using motion-activated cameras to study microhabitat use of the Gulf Coast kangaroo rat (*Dipodomys compactus)*. Wildlife Society, Texas Chapter Meeting. Fort Worth, TX.

Feichtinger, E.E., and J.A. Veech. 2012. Characteristics of Landscapes Occupied by Increasing and Decreasing Populations of Scissor-tailed Flycatchers. Texas Academy of Sciences Annual Meeting, Alpine, TX. *(Erin won one of the six best grad student talks out of 40 entries.)*

Whitney, S.W., and J.A. Veech. 2011. An assessment of data quantity and quality provided by the North American Breeding Bird Survey for wetland-breeding species. Annual meeting of The Waterbird Society, Annapolis, MD.

Troy, J.R., N.D. Holmes, J.A. Veech, and M. Clay Green. 2010. A breeding habitat suitability model for the Newell's Shearwater. 18th Annual Hawaii Conservation Conference. Honolulu, HI.

Troy, J.R., N.D. Holmes, J.A. Veech, and M. Clay Green. 2010. Development of the first Newell's shearwater breeding habitat suitability model using a geographic information system. 57th Annual Meeting of the Southwestern Association of Naturalists. Junction, TX.

Troy, J.R., N.D. Holmes, J.A. Veech, and M. Clay Green. 2010. Title as above. 113th Annual Meeting of the Texas Academy of Science. Stephenville, TX.

Troy, J.R., N.D. Holmes, J.A. Veech, and M. Clay Green. 2010. A breeding habitat suitability model for the Newell's Shearwater. 1st World Seabird Conference. Victoria, B.C.

Collins, M.L., M.F. Small, J.T. Baccus, J.A. Veech. March 2009. White Winged and Mourning Dove Presence and/or Absence in Relation to Habitat in the Lower Rio Grande Valley. Texas Academy of Science Conference. Junction, Texas.

Collins, M.L., M.F. Small, J.T. Baccus, J.A. Veech. March 2010. White Winged and Mourning Dove Presence and/or Absence in Relation to Habitat in the Lower Rio Grande Valley. Southwestern Association of Naturalist. Junction, Texas.

Fronimos, A., J.T. Baccus, M.F. Small, J.A. Veech. 2010. Use of anthropogenic food sources by white-winged doves. 113th Annual Meeting of the Texas Academy of Science. Stephenville, TX.

Fronimos, A., J.T. Baccus, M.F. Small, J.A. Veech. 2011. Feeder usage by urban white-winged doves in Texas. 58th Annual Meeting of the Southwestern Association of Naturalists. Tyler, TX.

Warren, C., J. Ott, J.A. Veech. 2010. Habitat affinities of a neotropical warbler at the southern edge of its range. 2nd Annual Graduate Student Research Conference, San Marcos, TX.

G. Invited Talks, Lectures, Presentations:

February 2021	Rolling Plains Chapter of Texas Master Naturalist
November 2020	Texas Parks and Wildlife Department's Webinar Diversity Series
October 2019	Angelo State University, Department of Biology
May 2013	USDA Knipling-Bushland Livestock Insects Research Lab – Kerrville, Texas *(Joint presentation with Dr. Ivan Castro-Arellano)*
March 2008	Texas State University – San Marcos, Department of Biology
January 2008	Oklahoma State University, Department of Zoology
August 2007	Texas A&M University, Department of Wildlife and Fisheries Science
June 2007	Center for Research on Endangered Species, San Diego Wild Animal Park
April 2007	Smithsonian Environmental Research Center, Edgewater, MD
January 2007	University of Florida, Department of Wildlife Ecology and Conservation
November 2006	California State University, Sacramento, Department of Biological Sciences
May 2006	University of Illinois – Chicago, Department of Biological Sciences
April 2006	University of Texas – Pan Am, Department of Biology
March 2005	University of Tennessee, Department of Ecology and Evolutionary Biology
February 2005	Wright State University; Department of Biological Sciences
October 2004	University of Nevada, Reno; Department of Biology
May 2004	Louisiana State University, Department of Biological Sciences
March 2004	University of Oklahoma, Department of Zoology
October 2003	Truman State University, Biology, (Kirksville, Missouri)
February 2003	New Mexico State University, Department of Biology
October 2002	Colorado State University, Department of Fishery and Wildlife Biology
February 2001	Indiana State University, Department of Life Sciences

I. Grants and Contracts

External Grants and Contracts: Pending and Funded

Year	Title	PI	Co-PI	Grantor	Amount	Status
2023	Ascertaining best management practices for the roadside habitat of Texas kangaroo rats	Veech	Castro-Arellano	TPWD-TxDOT	$106,805	Funded
2022	Identification and evaluation of non-traditional wintering habitat for Whooping Cranes in Texas	Green	Veech	TPWD-USFWS, Section 6	$120,000 TxState match: $33,500	Funded
2021	Estimating density and size of road-side populations of the Texas kangaroo rat	Veech	Castro-Arellano	USFWS	$50,650	Funded
2018	The next phase of Texas kangaroo rat research: dispersal, fine-scale movement, habitat management, and initiation of a captive population.	Veech	Castro-Arellano, Simpson	TPWD-USFWS, Section 6	$85,379 TxState match: $45,974	Funded
2015	Distribution of the Texas Kangaroo Rat	Simpson	Veech, Green, Castro-Arellano	TPWD	$89,000	Funded
2014	Endangered Species Research Project for the Sprague's Pipit	Veech	None	Texas Comptroller Office	$247,000	Funded
2014	Analysis of land cover change around BBS routes (NLCD 2011 database)	Veech	None	USGS through DS-CESU	$96,000	Funded
2014	Quantifying the stability of fish interaction networks along environmental disturbance gradients	McGarvey (VCU)	Veech	SERDP (DoD)	$150,000 Total $75,000 TxState	Funded
2013	Possible role of invasive *Herpestes javanicus* in sustaining Cattle Fever Tick populations in Puerto Rico	Castro-Arellano	Veech	USDA	$101,000	Funded
2013	Edwards Aquifer Habitat Conservation Plan: Comal Springs Riffle Beetle and Fountain Darter (5 proposals packaged)	Oborny (BioWest)	Bonner, Veech, Gibson (SMARC), Ostrand (SMARC), Krejca (Zara), Doyle (Baylor)	Edwards Aquifer Authority	$436,000 Total $170,000 TxState	Funded
2013	Winter Ecology of a Declining Grassland Bird, the Sprague's Pipit (*Anthus spragueii*)	Kostecke (TNC)	Veech	USFWS	$75,000 Total $26,665 TxState	Funded
2011	Surveys of non-game wildlife species inhabiting ranchland in the Carrizo Sands of central and south Texas.	Veech	Simpson	Davidson Foundation	$46,620	Funded
2005	Bird responses to land use changes.	Veech	None	NRCS	$37,000	Funded
2003	Theory, statistics, and software for the additive partitioning of species diversity across multiple spatial scales.	Crist	Veech	NSF-DEB	$105,000	Funded
1998	Granivorous rodents and apparent competition among plant species (dissertation research)	Veech	Jenkins	Welder Wildlife Foundation	$25,000	Funded

Submitted, but not Funded, External Grants and Contracts:

Date	Title	PI	Co-PI	Grantor	Amount
2018	Examining the accuracy of distribution models for four reptile species in south Texas	Veech	Fritts	TPWD	$233,425 TxState match: $81,699
2018	Establishment of a Texas kangaroo rat population at Copper Breaks State Park	Veech	Castro-Arellano	TPWD-USFWS, Pittman-Robertson Funds	$363,373 TxState match: $90,842
2017	Vulnerability assessment of grassland and shrubland habitat in the southwestern USA: Developing eco-climatological portfolios for military lands	Veech	none	SERDP (DoD)	$387,600
2014	Stability within fish interaction networks: new theory and tools to study network responses to environmental disturbance	McGarvey (VCU)	Veech	NSF	NA Pre-proposal
2013	EcoHelio – Weather Data for Ecological Research	Veech	Gao (Comp Sci) Castro-Arellano	NSF	$417,000
2013	A Decision Support Tool for Prairie Conservation	Veech	Green, Jensen (Geography)	USGS - LCC	$100,000
2013	Using the National Land Cover Database in Wildlife Conservation Research	Veech	None	Davidson Foundation	$56,960
2013	Trans-Texas Climate Array – Ecology, Evolution, Economics	Huston	Forstner, Nowlin, Veech	NSF	$774,374
2013	Quantifying Biotic Interactions among U.S. Freshwater Fishes at Regional to National Scales: a Network-based Approach	McGarvey (VCU)	Veech, Hughes (Oregon St)	NSF-DEB	Pre-prop.
2012	Role of rice land in sustaining bird populations: assessment of the three main rice-growing regions of the United States.	Veech	None	USA Rice Federation	$60,000
2012	The effects of oil exploration on herpetofaunal communities in south Texas with an emphasis on threatened species.(pre and full proposals)	Forstner	Veech, Simpson, Gabor, Huston, Hahn, Weigum, Foley	TPWD	$200,000
2012	A probabilistic model to predict the biogeographical spread of species.	Veech	Castro-Arellano	NSF-DEB	Pre-prop.
2011	Development and testing of a repeated-sampling continual-driving protocol for surveying dove species.	Veech	Small	USFWS	$28,600
2011	Using the North American Breeding Bird Survey to monitor the effects of climate and land use change in the Southern Rockies Landscape Conservation Cooperative.	Veech	None	USFWS (Southern Rockies LCC)	$83,000
2011	Dimensions: Collaborative Research: Trans-Texas Biodiversity Array.	Huston	Veech and many others	NSF-DEB	$985,000

2011	Developing a camera-based method for estimating population size of kangaroo rats and other burrowing animals.	Veech	Simpson	Animal Welfare Institute	$9,500
2010	ABI Development: Linking a national land cover database to continental bird surveys - a new bioinformatics tool and resource.	Veech	None	NSF-ABI	$364,000
2010	Comprehensive analysis of species co-occurrence and assembly patterns: comparing the influence of habitat requirements, environmental tolerances, and species interactions.	Veech	None	NSF-DEB	$130,000
2010	Dimensions: Collaborative Research: Trans-Texas Biodiversity Array.	Huston	Veech and many others	NSF-DEB	$1.8M
2009	Assessing cowbird populations as potential regional threats to Black-capped Vireos and Golden-cheeked Warblers	Veech	None	TPWD-USFWS	$35,000
2009	Conservation of grassland birds, assessing population parameters from multiple data sources	Veech	None	NSF-CAREER	$500,000
2009	A field trial of morning versus evening distance sampling of White-winged Doves in Texas	Baccus	Veech, Small	TPWD	$132,000
2009	The effect of activity time on species abundances in different habitats	Veech	None	NSF-IOS	$178,000
2008	The effects of landscape composition and competitor diversity on population trends in mourning doves and white-winged doves	Veech	Baccus, Small	USFWS	$58,000
2006	Tenebrionid beetles in a prairie landscape	Veech	None	NSF-DEB	$210,000

Submitted, Funded, Internal Grants and Contracts:

Developing an effective survey protocol for a rare and cryptic lizard species. Sole P.I., $8K, Research Enhancement Program, Texas State University, October 2014

Submitted, but not Funded, Internal Grants and Contracts:

Estimating the total population size of an endangered kangaroo rat in north-central Texas. Veech, PI, Castro-Arellano, co-PI, $16K, Research Enhancement Program, Texas State University, October 2019

Developing capacity for aquatic invertebrate taxonomy at Texas State University, Benjamin Schwartz, P.I., Veech, co-PI. $16K, Research Enhancement Program, Texas State University, October 2016

Further development and testing of the continual-driving protocol for surveying bird species, Sole P.I., $8K, Research Enhancement Program, Texas State University, October 2012

Examining co-occurrence of three dove species in Texas, Sole P.I., $8K, Research Enhancement Program, Texas State University, October 2011

A preliminary investigation into the habitat and population genetics of the Gulf Coast kangaroo rat, P.I. with Clay Green (co P.I.), $16K, Research Enhancement Program, Texas State University, October 2008

J. Fellowships, Awards, Honors:

Alpha Chi Honor Society, 2020, recognized as a Favorite Professor

Excellence in Scholarly/Creative Activities, 2018, Associate/Full Professor, College of Science and Engineering, Texas State University

Visiting Scientist Fellowship, 2015, TUBITAK (Turkish equivalent of NSF),
Sponsor: Dr. Okan Kulkoyluoglu, Abant İzzet Baysal University (*award could not be accepted*)

Manuscript Reviewer of the Year for 2015-16 for *Global Ecology and Biogeography* (IF = 5.94), One of six people to receive the award selected from a long list of dozens; each year about 1,000 people review for the journal. Official recognition at "*In the company of greatness: announcing the best reviewers and best associate editors*" GEB 25:1526-1527.

Graduate Fellowship from Welder Wildlife Foundation, Sinton, TX. $25,000, 1998 – 1999

IV. SERVICE

A. University:

Member of College Review Group (2024)

B. Departmental:

Developer and maintainer of department's website (2016 – current)
Liaison between the Biology Department and university's PR office (2016 – current)
Member of search committee for wildlife biology faculty member (Fall 2024)
Departmental committee that organizes the weekly seminar series (2008 – 2012, 2015 - 2023)
Member of search committee for wildlife biology faculty member (Fall 2010)

C. Professional:

Reviewer for USFWS Species Status Assessment for Texas kangaroo rat (*Dipodomys elator*) (Fall 2020)

Associate Editor for Journal of Biogeography (2010 - 2017)

External manuscript reviewer (3 - 5 manuscripts per year) for the following journals (***partial list***):
Acta Oecologica, American Naturalist, American Midland Naturalist, Behavioral Ecology, Biological Conservation, Biotropica, Canadian Field Naturalist, Conservation Biology, Ecological Entomology, Ecology, Ecology Letters, Ecography, Ecological Monographs, Diversity and Distributions, Global Ecology and Biogeography, Journal of Applied Ecology, Journal of Biogeography, Journal of Field Ornithology, Journal of Mammalogy, Journal of Vegetation Science, Landscape Ecology, Oecologia, Oikos, Western North American Naturalist, Marine Ecology Progress Series, Journal of Ecology, Journal of Animal Ecology, Marine Biodiversity, Methods in Ecology and Evolution, PLoS ONE

External grant reviewer for NSF and USDA (*occasional*)

CV last updated 1-25-2026