

ELIZABETH A. FARLEY-DAWSON

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EDUCATION

PhD, Biology , Texas Tech Univ., Lubbock, TX	Aug 2017
MS, Biology , Univ. of Texas at Tyler, Tyler, TX	Dec 2008
BS, Wildlife Ecology and Conservation, minor in Zoology , Univ. of Florida, Gainesville, FL	May 2004
AS, Natural Sciences , St. Petersburg College, St. Petersburg, FL	May 2001

RELEVANT EXPERIENCE

Science Editor & Writer Aug 2019-Current

Lanzas Lab, Dept. of Population Health & Pathobiology, North Carolina State University, Raleigh, NC

- Providing substantive (developmental) edits for federal (NIH, CDC, etc.) grants and scientific manuscripts for biomedical science, infectious disease, veterinary science, and mathematical and network modeling
- Fast editing turnaround for tight deadlines, notably for grants (<3 weeks to deadline)
- Formatting using Council of Science Editors or other style guide specified for each grant or journal
- Editing with LaTeX, MS Word Track Changes, Google Docs, Adobe Acrobat XI Pro; manage references with Mendeley

North Carolina Coordinator, Bird Bander, & Educator, Smithsonian Neighborhood Nestwatch Apr-Jul 2018

Smithsonian Migratory Bird Center, Washington, D.C.

- Communicated scientific results and ecological information to lay audiences of varying backgrounds and ages, ranging from career biologists to casual backyard bird watchers and young children
- Delivered tailored, invited talks on NN results to local bird and garden clubs
- Maintained organized, high-quality data records from multiple data streams, entering into a centralized database

Triangle Bird Count (volunteer) Oct 2017-Dec 2018

Katti Lab, North Carolina State University, Raleigh, NC

- Created and maintained project WordPress website and Facebook page
- Recruited volunteers from local Audubon chapters

Project Manager, Sound Around Town (volunteer) Oct 2017-Apr 2018

Cooper Lab, North Carolina State University, Raleigh, NC

- Drafted recruitment materials for differing audiences and developed training protocols for volunteers
- Edited project WordPress website and outreach activities

Ph.D. Candidate & Graduate Researcher Aug 2011-Aug 2017

Texas Tech Univ., Dept. of Biological Sciences, Lubbock, TX

- Designed and managed research project: identified resource needs, set and monitored goals and timelines
- Provided feedback and editing for labmates' manuscripts
- Wrote and applied for grants to fund field research
- Used a variety of computer and analysis programs, including Program R, ArcGIS, and MS Office

Graduate Researcher

Aug 2006-Dec 2008

The University of Texas at Tyler, Dept. of Biology, Tyler, TX

- Designed and managed research project on military property, including field technician hiring and lodging
- Produced project deliverables for Texas Army National Guard including a final technical report

Wildlife Research Assistant

Sep 2004- Dec 2005

Univ. of Florida, Dept. of Wildlife Ecology and Conservation, Gainesville, FL

- Wrote rough drafts of manuscripts for publication and analyzed data using ArcGIS, SPSS, and DTREG
- Conducted avian surveys and organized volunteers to continue managing nest box monitoring project data

EDITED WORKS (RECENTLY PUBLISHED)

Erwin, S, DM Foster, ME Jacob, MG Papich, and C Lanzas. 2020. The effect of enrofloxacin on enteric *Escherichia coli*: Fitting a mathematical model to *in vivo* data. PLOS ONE 15: e0228138. 2020
<https://doi.org/10.1371/journal.pone.0228138b>

PEER-REVIEWED PUBLICATIONS & TECHNICAL REPORTS

Farley-Dawson, EA, and KA Schmidt. 2020. Fearless or impotent? Breeding veeries do not avoid audio cues of broad-winged hawks. *J. Avian Biol.* (*under consideration*). 2020

Farley, EA, KE Sieving, and TA Contreras. 2008. Characterizing complex mixed-species bird flocks using an objective method for determining species participation. *J. Ornithology* 149: 451-468. 2008

Farley, EA, DW Pogue, and LR Williams. 2008. Breeding ecology of Bachman's Sparrow (*Aimophila aestivalis*) in post oak savannah on Camp Maxey, Lamar County, Texas: Final Report. Texas Army National Guard. Interagency Coop. Agreement TX07-ENV-01 401-7-1198. 2008

Reetz, MJ, **EA Farley**, and TA Contreras. 2008. Evidence for Bachman's Sparrow raising Brown-headed Cowbirds to fledging. *Wilson J. Ornithol.* 120: 625-627. 2008

SELECTED SCIENTIFIC PRESENTATIONS (* PRESENTING AUTHOR)

Farley-Dawson EA, M Caslin*, K Kar Gupta, D Perkins, K Altabet, S Dolan, and M Katti. 2019. Poster. The Triangle Bird Count: mapping bird communities and visualizing habitats with 360° photography to analyze urban forest structure and monitor change. Citizen Science Association Conference 2019, Raleigh, NC, 13-17 Mar 2019. 2019

Katti M*, C Hensley, M Caslin, **EA Farley-Dawson** and J McFarland. 2019. Oral. To eBird or not to eBird: a comparative analysis of systematic point count census projects and eBird data to study urban bird communities. Citizen Science Association Conference 2019, Raleigh, NC, 13-17 Mar 2019. 2019

Farley-Dawson EA* and KA Schmidt. 2018. Poster. Influence of behavior, landscape features, and spatial scale on Veery breeding site occupancy and preference in NY, USA. American Ornithological Society Annual Conference, Tucson, AZ, 9-14 Apr 2018. 2018

Farley-Dawson EA* and KA Schmidt. 2016. Oral. Nest site selection response of Veery to audio cues of Broad-winged Hawk. The Wildlife Society 23rd Annual Conference, Raleigh, NC, 15-19 Oct 2016. 2016

Farley-Dawson EA* and KA Schmidt. 2015. Poster. Use of a novel nest substrate by a Neotropical migratory songbird, the Veery (*Catharus fuscescens*). 100th Annual Ecological Society of America. 9-14 Aug. 2015, Baltimore, MD. 2015

Farley-Dawson EA* and KA Schmidt. 2014. Poster. Use of a novel nest substrate by a Neotropical migratory songbird, the Veery (*Catharus fuscescens*). Joint Meeting of the American Ornithologists' Union, Cooper Ornithological Society, and Society of Canadian Ornithologists. 24-27 Sept. 2014, Estes Park, CO. 2014

GRANTS AND FELLOWSHIPS AWARDED

Eastern Bird Banding Association Grant (\$500) 2015
Achievement Rewards for College Scientists (ARCS) Foundation Fellowship (\$5000) 2014
AT&T Chancellor's Fellowship (\$4000/yr.), Texas Tech Univ. 2011-2014

TEACHING EXPERIENCE

Graduate assistant for 14 semesters at 2 universities Gen./Adv. Ornithology Lab, Gen. Biology I & II Lab, Environ. Problems Lab, and Instructor of Record for Principles of Ecology 2006-2016

PROFESSIONAL DEVELOPMENT

Seeing Science: Improving Your Visual Communication Skills, NCSU Library Workshop, Oct 26 2017
The Groundwork Program: Teaching Training for Graduate Students, TTU May 25-27 2016

NON-SCIENTIFIC PUBLICATIONS

Farley-Dawson, EA. "Chicken." *Tales from Plexis*, edited by Julie E. Czerneda, DAW Books. 2018

CURRENT PROFESSIONAL MEMBERSHIPS

Editorial Freelancer's Association 2020-
Ecological Society of America 2013-
American Ornithological Society 2008-