

SHARON E. VALVERDE (FORMERLY SMYTHE)

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Education

Ph.D. in Wildlife, Aquatic, & Wildlands Sci. and Mgmt. (4.00/4.00 G.P.A., *Summa Cum Laude*) Dec. 2025
Department of Natural Resources Management, Texas Tech University, Lubbock, TX

Dissertation: *Elk Space Use, Resource Selection, and Reproductive Success Relative to Interspecific Competition, Predation Risk, and Forage Dynamics Following 6 Years of Landscape Restoration in the Jemez Mountains, New Mexico*

Advisors: **Dr. Warren Conway**, Bricker Endowed Chair and Department Head in Wildlife Management, Department of Natural Resources Management, Texas Tech University, Lubbock, TX

Dr. James Cain, Assistant Unit Leader-Wildlife, U.S. Geological Survey, New Mexico Cooperative Fish and Wildlife Research Unit, Department of Fish, Wildlife, and Conservation Ecology, New Mexico State University, Las Cruces, New Mexico

M.S. in Wildlife Science (3.96/4.00 G.P.A., *Summa Cum Laude*) March 2015
Department of Fisheries and Wildlife, Oregon State University, Corvallis, OR

Thesis: *Evaluating Tools Used to Estimate and Manage Browse Available to Wintering Moose on the Copper River Delta, Alaska*

Advisor: **Dr. Dana Sanchez**, Assistant Professor of Wildlife and Extension Wildlife Specialist, Department of Fisheries and Wildlife, Oregon State University, Corvallis, OR

B.S. in Biology and Honors Program (3.87/4.00 G.P.A., *Magna Cum Laude*) May 2011
Department of Biology, Bryan College, Dayton, TN

Publications

Peer-Reviewed:

Smythe, Sharon E., Dana Sanchez, and Clinton Epps. 2019. Contrasting Moose Nutritional Carrying Capacity Models on a Dynamic Landscape. *Journal of Fish and Wildlife Management* 10:1: 163-179.

Moriarty, Katie, John D. Bailey, and **Sharon E. Smythe**. 2016. Distribution of Pacific Marten in Coastal Oregon. *Northwestern Naturalist* 97:71-81.

Smythe, Sharon E., Dana Sanchez, and Ricardo Mata-Gonzalez. 2015. Immediate and Continuing Effects of Mechanical Treatment on Winter Moose Browse. *Alces* 51: 129-141.

Non-Peer-Reviewed:

Cain III, James W., **Sharon E. Smythe**, Mark Peyton, Gary Roemer, Warren Conway, and James Biggs. 2018. Southwest Jemez Mountains Collaborative Forest Landscape Restoration Project: Large Mammal Monitoring Project. SWJ-CFLRP Annual Progress Report.

Cain III, James W., **Sharon E. Smythe**, and Art Anaya. 2018. Responses of Large mammals to Forest Restoration Treatments in the Southwest Jemez Mountains, New Mexico. Project No. NMCFWRU-130. Annual Coop Unit Report, US Geological Survey, New Mexico State University.

Cain III, James W., **Sharon E. Smythe**, and Gary Roemer. 2017. Southwest Jemez Mountains Collaborative Forest Landscape Restoration Project: Large Mammal Responses to Wildfire and Landscape-Scale Forest Restoration in the Jemez Mountains, New Mexico. SWJ-CFLRP Annual Progress Report.

Cain III, James W., **Sharon E. Smythe**, Susan Bard, and Art Anaya. 2017. Responses of Large mammals to Forest Restoration Treatments in the Southwest Jemez Mountains, New Mexico. Project No. NMCFWRU-130. Annual Coop Unit Report, US Geological Survey, New Mexico State University.

Media Coverage:

“Valverde’s research earns her ‘Batwoman’ moniker: Biology professor explores mammals at UWA’s Cahaba Biodiversity Center.” University News, University of West Alabama, September 2024.

“UWA Professor and Graduate Assistant completing extensive research on bats and other mammals at UWA’s CBC.” ABC 11, WTOK-TV, September 2024.

“Alabama biology professor’s work earns her ‘Batwoman’ moniker.” Soul Grown, September 2024.

Research and Professional Experience

2025 May-current

Research Associate and Adjunct Faculty: Texas Tech University, Granbury, TX

2021 Aug-2025 May

Assistant Professor: University of West Alabama, Livingston, AL

2024

Deployed the newly constructed “mostela boxes” and modified the typical survey method to test the efficacy of silt fencing on increasing small mammal detections at mostela sites at the Cahaba Biodiversity Center. Also deployed acoustic bat detectors for the first time at the CBC, providing initial data which recorded 3 endangered bat species at the property. Using undergraduate and local high school students (3 total student groups), constructed exclosures to study the effects of deer herbivory rates at the Cahaba Biodiversity Center. Initial surveys of herbaceous diversity and biomass were conducted. Assisted my grad student in applying for a university Seed Grant which she won. Provided funds for my grad student to participate in the statewide “Bat Blitz”. Five undergrads and 1 grad student volunteered with game camera data management.

2023

Conducted 5 separate deer spotlighting surveys at the Cahaba Biodiversity Center with 2-3 student volunteers each time. One undergraduate completed and presented her research project after assisting with and collecting a subset of the mammalian camera data for a year: *“How Do Dominant Stand Types Correlate With Terrestrial Mammal Diversity of the Cahaba Biodiversity Center?”* Restarted the baited game camera surveys in December under for Jessica Williams’ thesis with the assistance of 2 undergraduate volunteers in data processing. Built novel noninvasive small mammal survey tools, “mostela boxes”, with modified game cameras for Taylor Underwood’s thesis. Supported Taylor’s attendance to the Alabama Bat Working Group annual meeting.

2022 Jan-2023 January

Conducted mammal at the Cahaba Biodiversity Center using baited and unbaited game cameras as well as baited track plates using undergraduate volunteers to aid in both data collection and data processing.

2015 Sept-2021 July

Ph.D. Dissertation Research: Texas Tech University, Natural Resources Management Department, New Mexico State University, Department of Fish, Wildlife, and Conservation Ecology, Valles Caldera National Preserve, Santa Fe National Forest, and Jemez Pueblo, Jemez Mountains, NM
To determine the effects of forage characteristics, interspecific competition, and predation risk on elk space use, resource selection, and reproductive success following 6 years (2013-2018) of landscape restoration (thinning, logging, and prescribed fire) and wildfire in north-central NM, I

collected and analyzed data on seasonal forage quantity and quality within and without exclosures, seed bank germination rates, soil moisture and quality, winter snow depth, and elk, mule deer, cougar, and black bear movements and survival. I measured forage and soil characteristics within 200 plots which were sampled monthly, seasonally, or annually for woody and herbaceous forage species available to elk and mule deer. I collected samples and developed regressions for all individual woody and composite herbaceous species available or suspected in elk diets. I managed over 8000 nutritional samples, organizing their submission to 2 labs for nutritional analyses, while conducting bomb calorimetry analyses to determine gross energy. The bomb calorimetry was performed on 6200 Parr Calorimeters which I set up, repaired, calibrated, and maintained. I helped construct, maintained, and monitored vegetation responses within 32 exclosures while conducting herbivory experiments to determine forage recovery rates. I conducted seed bank trials within idealized greenhouse conditions to evaluate the effects of restoration treatments on seed germination ratios. I assisted with measurements of snow depth by replacing batteries and processing photos from in-field cameras and associated measuring poles positioned at 15 sites during the winters. I assisted with the capture and collaring (GPS/VHF and Iridium/VHF) of adult elk, mule deer, black bears, and cougars and led 3 seasons of elk calf captures (VHF). I led monitoring of adult elk, elk calf, and mule deer survival, assisted with bear and cougar monitoring, and assisted with collar recovery of all species. Lastly, I evaluated via multi-factorial models the relative influence of abiotic, biotic, and temporal factors on seasonal and annual elk movements, RSFs, carrying capacity, and survival as well as correlations to calf survival to provide a holistic picture of elk ecology in the Jemez Mountains relative to landscape restoration and wildfire. During this process I supervised over 30 technicians in either field or lab work, and coordinated our access to public lands around seasonal wildfire, lightning, snow, and other safety measures by communicating with National Parks Service and National Forest Service collaborators.

- 2019 Monitored 3 volunteers to assist with the seed bank germinations and identification in a greenhouse, including maintaining a daily watering schedule, transplanting schedules, and an extensive photo log.
- 2019 Coordinated and supervised 2 TTU students in forage sample organization, lab preparation (grinding), and shipping, data management, and bomb calorimetry sample preparation and use. Supervised 2 NMSU students in forage sample preparation and weighing.
- 2018 Taught and monitored 3-5 volunteers to run the seed bank germinations and identification in a greenhouse, including maintaining a daily watering schedule, transplanting schedules, and an extensive photo log.
- 2018 Coordinated and supervised 2 TTU students in forage sample organization, lab preparation (grinding), and shipping, soil sample organization, weighing, and shipping, and data management. Supervised 2 NMSU students in forage sample preparation and weighing.
- 2018 Led a field crew of 3 field technicians in collecting vegetation, soil, regression, and enclosure data and samples, monitoring and capture of elk calves, monitoring of bear clusters and predation sites, and monitoring elk, mule deer, and black bear survival. I also coordinated single volunteers for fall, winter, and spring vegetation and soil or seed bank sampling.
- 2017 Coordinated and supervised 3 TTU students in organizing, weighing, and lab preparation (grinding) of forage samples, as well as data management. Supervised 2 NMSU students in forage sample preparation and logging.
- 2017 Led a field crew of 3 field technicians in collecting vegetation, soil, regression, enclosure, and elk calf bed and birth site data and samples, capturing and monitoring elk calves, and monitoring elk and mule deer survival. I also coordinated

1-3 volunteers for fall, winter, and spring vegetation and soil or seed bank sampling.

2016 Led a crew of 2 field technicians in collecting vegetation and soil data and samples, building exclosures and developing their methods, developing a calf capture and monitoring methods, and monitoring elk and deer survival.

2015 October-2016 April

Research Technician: Texas Parks and Wildlife Department and Texas Tech University, Natural Resources Management Department, Turkey, TX

I assisted with the capture, processing, and collaring of over 70 mule deer adults and fawns in northwest TX. We monitored the survival and locations of collared deer using ground and aerial radio telemetry in northwest TX, and developed a monitoring database for future students.

2015 March-September

Field Crew Lead: The Pacific Northwest Research Station, Forest Service and Oregon State University, Forest Engineering, Resources, and Management Department, coastal OR

I led a team of 4-6 field technicians conducting field research to determine the distribution of Humboldt Marten and other mammals of interest in coastal Oregon using baited and non-baited camera stations, track plates, and hair snares. I coordinated extensively with local government and private collaborators and landowners, used geospatial techniques to determine sampling locations, organized base camp sites (which changed every 3 weeks), maintained gear, coordinated field schedules for full-time and volunteer crew members, monitored vehicle maintenance, and cleaned and organized all data. Afterwards, my supervisor requested I write a "How to Lead a Field Crew" guide for future crew leaders on the marten project.

2012 July-2015 March

M.S. Thesis Research: Oregon State University, Fisheries and Wildlife Department, Alaska Department of Fish and Game, Cordova, AK

I developed a variety of models to estimate nutritional carrying capacity for an isolated moose population when compared to historical studies of the same population. I collected data on winter forage biomass, density, and nutritional quality, collected samples and developed forage regressions, and compared the availability of forage for moose under different winter severities, range sizes, and nutritional carrying capacity model structures. I also analyzed the effects of mechanical treatment (hydraulic-axing) on the vegetation characteristics of browse available to moose under different winter scenarios. During this process, I led 3 field crews and coordinated and supervised 4 undergraduates in organizing, processing, and measuring sample biomass for regression development.

2012 May-June

Research Technician and Crew Lead: Oregon State University and Parks Canada, Waterton Lakes National Park, Alberta

I assisted and led ongoing research investigating the fire-influenced trophic cascade between wolves, elk, and aspen by conducting open-grassland, edge- and inner-forest scat transects along with free-tracking of wolves. Identification of bear, wolf, coyote, cougar, deer, elk, and moose scat and tracks was required along with the ability to navigate via compass and/or GPS. I was trained in bear, elk, and severe weather safety.

2011 December-2012 March

Center Intern: Audubon Species Survival Center, New Orleans, LA

I was trained to prepare and provide daily diets and care, medical aid, and enrichments for African wildcats, black-footed cats, fishing cats, servals, caracals, clouded leopards, lions, bongos, and eland. I was exposed to Mississippi Sandhill crane and whooping crane husbandry and refuge release, artificial insemination of cranes and smaller cats, and research involving reproductive physiology, endocrinology, cloning, embryo transfer, and the development of a "frozen zoo." I

assisted with the rehabilitation (breathing support, feeding, and monitoring) of a stranded bottlenose dolphin.

2011 August-September

Research Intern: Oregon State University and Parks Canada, Waterton Lakes National Park, Alberta

I assisted ongoing research investigating the fire-influenced trophic cascade between wolves, elk, and aspen by conducting edge and inner-forest vegetation surveys and tree core sampling in a fire-treated aspen/grassland complex in order to evaluate elk herbivory and behavioral alterations in the presence of wolves. We were trained in GPS and backcountry navigation, predator sign, and predator safety. Our data was used to evaluate fire as a tool for limiting aspen recruitment.

2011 June

Research Intern: Balule Nature Reserve, Greater Kruger National Park, South Africa

I gathered photographic elephant data (used for noninvasive capture-recapture and range analyses of individual elephants), aided research on elephant tree damage, monitored water and bore hole levels and their impacts on wildlife use and tree survival, removed ecosystem-threatening alien vegetation, documented predator/prey relations, and engaged in spontaneous conservation-related issues including the rescue of two abandoned cheetah cubs.

2011 January-May

Undergraduate Research Project: Bryan College, Biology Department, Dayton, TN

“Continued Research at Laurel-Snow State Natural Area”: I surveyed a cliff boundary and identified vegetation specimens collected within a local natural area to contribute to the flora college’s collection. I presented my findings in a Journal Club. In fulfillment of Introduction to Research.

2010 January-May

Undergraduate Research Project: Bryan College, Biology Department, Dayton, TN

“Overexpression of MyoD cDNA in mouse fibroblasts can activate muscle-specific genes and induce the myogenic pathway”: My partners and I replicated MyoD cDNA to insert into mouse fibroblast cells in order to override the original skin cell function and induce muscular contractions. We showcased our findings in a poster and defended our results to the professor. In fulfillment of Molecular and Cellular Biology Research.

2010 January-April

Habitat Intern: Chattanooga Zoo, Chattanooga, TN

I was exposed to the ecology of over 20 species including jaguars, dromedary camels, pot-bellied pigs, bobcats, raccoons, capybaras, kinkajous, cotton-top tamarins, scarlet macaws, snow leopards, cranes, chimpanzees, and others while providing daily care and enrichments.

2009 August-December

Undergraduate Research Project: Bryan College, Dayton, TN

“A Comparison of Fruit Size and Seed Production to Determine Reproductive Fitness in the Cucurbitaceae Family”: My partners and I determined the relationship between pumpkin seed number and size relative to fruit size to evaluate reproductive success. We presented our results in class. In fulfillment of Environmental Ecology.

2009-2012 Summers

Habitat Staff: Grandfather Mountain, Linville, NC

I cared for several native species including black bears, cougars, white-tailed deer, bald eagles, golden eagles, river otters, and corn snakes through provision of basic necessities, medication, and general maintenance of habitats, while learning their individual behaviors. I assisted with public education by performing animal “enrichments,” or public question-and-answer times while behaviorally stimulating the animals.

2008-2011 School Years

Lab Assistant: Biology Department, Bryan College, Dayton, TN

General Biology Lab: I maintained two cockroach colonies, assisted with lab preparation, and aided the primary instructor during class by answering questions and performing pig dissections.

Botany Lab: I maintained a teaching collection of plants, and helped with lab preparation by making solutions, obtaining live samples, preparing and grading paperwork, and organizing equipment.

General Chemistry Lab: I organized chemicals, glassware, and paper, cleaned soiled instruments and containers, maintained lab safety during lab, and aided the primary instructor during labs.

Earth Sciences Lab: I organized and cleaned stock room and equipment, while preparing and grading paperwork.

Microbiology Lab: I assisted with lab preparation by making plates/tubes of various media, inoculating bacterial samples, and maintaining cultures, and then ensured a safe environment by properly disposing of hazardous waste.

Invited Research Collaborations:

2021-current Partners for Agriculture Innovation and Sustainability (PAIS 2.0) (Sumter County, AL)

Short-Term Research Experiences:

- 2023 Coordinated a bat cave survey in January with the Alabama Bat Working Group along with 2 student volunteers.
- 2023 Volunteered with 2 students to assist the Alabama Department of Natural Resources with CWD check stations twice in January
- 2022 Watched marine educational surveys conducted through the Dauphin Island Sea lab (Dauphin Island, AL)
- 2020 Assisted the National Science Research Laboratory with museum specimen preparation of two cougars (Lubbock, TX)
- 2018 Assisted Ph.D. project with axis deer spotlighting survey (Junction, TX)
- 2018 Assisted the Texas Parks and Wildlife Department with captured mule deer processing and collaring (Levelland and Muleshoe, TX)
- 2018 Assisted the Valles Caldera National Preserve wildlife biologist with a cougar recapture and recollaring (Valles Caldera National Preserve, NM)
- 2017 Assisted the Texas Parks and Wildlife Department with captured mule deer processing and collaring (Levelland and Muleshoe, TX)
- 2017 Assisted a M.S. project with vegetation sampling and pronghorn monitoring (Fort Stanton, NM)
- 2017 Assisted the Valles Caldera National Preserve wildlife biologist with a cougar kitten capture and check (Valles Caldera National Preserve, NM)
- 2017 Assisted the Valles Caldera National Preserve wildlife biologist with a cougar capture and collaring (Valles Caldera National Preserve, NM)
- 2017 Assisted the New Mexico Game and Fish Department with a pronghorn capture and translocation (Cimarron, NM)
- 2016 Assisted the Texas Parks and Wildlife Department with a Chronic Wasting Disease check station (Spur, TX)
- 2016 Assisted the Texas Parks and Wildlife Department with captured mule deer collaring and processing, including blood sampling and blood slides (Turkey and Stinnett, TX)
- 2016 Assisted the Texas Parks and Wildlife Department with mule deer spotlighting survey (Lubbock, TX)
- 2016 Assisted a Ph.D. project with quail capture and telemetry monitoring (Lubbock, TX)
- 2016 Assisted a M.S. project with local plant identification (Lubbock, TX)
- 2016 Assisted a M.S. project with a cougar capture and collaring (Valles Caldera National Preserve, NM)
- 2016 Assisted a M.S. project with a bear capture and collaring (Valles Caldera National Preserve, NM)
- 2016 Assisted a M.S. project with pronghorn telemetry monitoring (Fort Stanton, NM)

2016 Assisted the Texas Parks and Wildlife Department with pronghorn capture, collaring, and Translocation (Dallhart, TX)

2015 Assisted the Oregon Department of Fish and Wildlife with black-tailed deer capture and collaring (Roseburg, OR)

2014 Assisted a M.S. project with exotic and native grass identification (Corvallis, OR)

2014 Assisted the Native Fish Investigations Project with electrofishing, tagging, and data collection on Pacific lamprey (central OR)

2013 Assisted a M.S. project with songbird point counts and data collection (Corvallis, OR)

2013 Assisted Oregon Department of Fish and Wildlife personnel with black-tailed deer darting and collaring (Coastal Mountains, OR)

2013 Assisted a Ph.D. project with songbird mist netting, blood and feather sampling, and data collection (Corvallis, OR)

Teaching Experience

Primary Instructor (2021-current): University of West Alabama, Livingston, AL

Term	Course	# in class	Response Rate	Course Question	Course Mean	Instructor Question	Instructor Mean
Spring 2025	BY/EN 554: Conservation Biology	TBD	TBD	TBD	TBD	TBD	TBD
Spring 2025	Intro to Environmental Science (online)	8	TBD	TBD	TBD	TBD	TBD
Spring 2025	BY 101: Introductory Biology	32	TBD	TBD	TBD	TBD	TBD
Spring 2025	BY 101: Introductory Biology	32	TBD	TBD	TBD	TBD	TBD
Spring 2025	BY 349/539: Wildlife Management	5	TBD	TBD	TBD	TBD	TBD
Fall 2024	EN 100: Introduction to Environmental Science (online)	21	TBD	TBD	TBD	TBD	TBD
Fall 2024	EN 100: Introduction to Environmental Science (online)	18	TBD	TBD	TBD	TBD	TBD
Fall 2024	BY 554: Conservation Biology	11	TBD	TBD	TBD	TBD	TBD
Fall 2024	BY 104: Principles of Biology	23	TBD	TBD	TBD	TBD	TBD
Fall 2024	BY 104: Principles of Biology	13	TBD	TBD	TBD	TBD	TBD
Summer 2024	EN 100: Introduction to Environmental Science (online)	19	NA - Not enough students responded	NA	NA	NA	NA
Spring 2024	BY 591: Biogeography (online)	20	26.3%	Q3 Q4 Q5	4.80 4.80 4.80	Q1 Q2 Q6	4.80 4.60 4.20

				Q6 Q7 Q8	4.60 4.60 4.80	Q7 Q8	4.40 4.20
Spring 2024	EN 100: Introduction to Environmental Science (online)	23	NA - Not enough students responded	NA	NA	NA	NA
Spring 2024	EN 100: Introduction to Environmental Science (online)	21	NA - Not enough students responded	NA	NA	NA	NA
Spring 2024	BY 500: Graduate Seminar	1	NA – not enough students	NA	NA	NA	NA
Spring 2024	BY 307: Independent Study in Biology	1	NA – not enough students	NA	NA	NA	NA
Spring 2024	BY 104: Principles of Biology	11	63.6%	Q3 Q4 Q5 Q6 Q7 Q8	4.57 4.71 4.71 4.71 4.57 4.86	Q1 Q2 Q6 Q7 Q8	4.71 4.86 4.86 4.86 4.86
Fall 2023	EN 100: Introduction to Environmental Science (online)	16	NA - Not enough students responded	NA	NA	NA	NA
Fall 2023	BY 500: Graduate Seminar (online)	9	NA - Not enough students responded	NA	NA	NA	NA
Fall 2023	BY/EN 308: Seminar in Biology	3	NA – not enough students	NA	NA	NA	NA
Fall 2023	BY 104: Principles of Biology	23	87.0%	Q3 Q4 Q5 Q6 Q7 Q8	4.70 4.65 4.85 4.65 4.40 4.45	Q1 Q2 Q6 Q7 Q8	4.50 4.95 4.45 4.55 4.85
Fall 2023	BY 104: Principles of Biology	22	72.7%	Q3 Q4 Q5 Q6 Q7 Q8	4.75 4.69 4.50 4.38 4.31 4.44	Q1 Q2 Q6 Q7 Q8	4.63 4.88 4.56 4.63 4.75
2023 Summer	EN 100: Introduction to Environmental Science (online)	23	NA - Not enough	NA	NA	NA	NA

			students responded				
2023 Spring	EN 100: Introduction to Environmental Science (online)	24	24.0%	Q3 Q4 Q5 Q6 Q7 Q8	4.83 4.67 4.83 4.17 4.17 4.33	Q1 Q2 Q6 Q7 Q8	4.83 4.83 4.83 4.83 4.67
2023 Spring	BY 592: Methods in Conservation Biology (online)	12	NA - Not enough students responded	NA	NA	NA	NA
2023 Spring	EN 100: Introduction to Environmental Science	24	18.5%	Q3 Q4 Q5 Q6 Q7 Q8	4.60 4.60 4.60 4.60 4.60 4.40	Q1 Q2 Q6 Q7 Q8	4.60 4.60 4.20 4.60 4.60
2023 Spring	BY 104: Principles of Biology	9	NA - Not enough students responded	NA	NA	NA	NA
2022 Fall	EN 100: Introduction to Environmental Science (online)	19	NA - Not enough students responded	NA	NA	NA	NA
2022 Fall	BY 389: Lab Practicum	1	NA – not enough students	NA	NA	NA	NA
2022 Fall	BY 495: Research/Biological Sciences	1	NA – not enough students	NA	NA	NA	NA
2022 Fall	BY 102: Introductory Biology II	6	NA - Not enough students responded	NA	NA	NA	NA
2022 Fall	EN 309: Deer Physiology Practicum	4	NA – not enough students	NA	NA	NA	NA
2022 Fall	BY 408/598: Wildlife Management	12	NA - Not enough students responded	NA	NA	NA	NA
2022 Summer	EN 100: Introduction to Environmental Science (online)	22	NA - Not enough students responded	NA	NA	NA	NA

2022 Spring	EN 100: Introduction to Environmental Science (online)	34	22%	Q3	4.60	Q1	4.80
				Q4	4.60	Q2	4.80
				Q5	4.60	Q6	4.40
				Q6	4.40	Q7	4.40
				Q7	4.60	Q8	4.60
				Q8	4.60		
2022 Spring	BY 389: Advanced Lab Practicum Biology	1	NA – not enough students	NA	NA	NA	NA
Q3	4.76	Q1	4.90				
2022 Spring	EN 100: Introduction to Environmental Science	33	68%	Q4	4.76	Q2	4.90
				Q5	4.86	Q6	4.76
				Q6	4.76	Q7	4.62
				Q7	4.67	Q8	4.81
				Q8	4.62		
				Q3	4.68	Q1	4.84
2022 Spring	BY 101: Introductory Biology I	33	68%	Q4	4.84	Q2	4.89
				Q5	4.79	Q6	4.58
				Q6	4.11	Q7	4.63
				Q7	3.79	Q8	4.63
				Q8	3.84		
				Q3	4.65	Q1	4.68
2021 Fall	EN 100: Introduction to Environmental Science	44	88%	Q4	4.57	Q2	4.92
				Q5	4.54	Q6	4.47
				Q6	4.14	Q7	4.57
				Q7	4.08	Q8	4.73
				Q8	4.16		
				NA	NA	NA	NA
2021 Fall	BY/EN 308: Seminar	6	Not enough students responded	NA	NA	NA	NA

All questions are on a scale of 1 (strongly disagree) to 5 (strongly agree).

Course Q3: The assignments adequately represented the objectives and content of the course.

Course Q4: The classroom or online environment was organized and conducive to learning.

Course Q5: As a student, I was able to ask questions either in the classroom or online.

Course Q6: I am more competent in this subject as a result of this class.

Course Q7: I feel I am prepared for the next level course or pathway associated with this class.

Course Q8: I feel confident using the class information going forward, if applicable, in my career or life.

Instructor Q1: The instructor has good communication skills, including written and verbal.

Instructor Q2: The instructor seemed knowledgeable about the subject matter.

Instructor Q6: The instructor provided feedback to students about assignments.

Instructor Q7: The instructor expected and maintained high standards.

Instructor Q8: The instructor did an overall good job.

Graduate Teaching Assistant—NRM 3306 (online) (Fall 2020): Texas Tech University, Lubbock TX

Developed and ran all Blackboard-related components of the online version of NRM 3306 Principles of Wildlife Management, including developing weekly course links, building tests, all grading, and course communication. Lectured when the Primary Lecturer was out of town (two weeks); 39 students.

Primary Instructor—NRM 3306 (online) (Spring 2020): Texas Tech University, Lubbock, TX

Taught half the semester of NRM 3306 Principles of Wildlife Management; 33 students. I developed an online version of the course to fulfill Covid-19 needs, including revising or developing the syllabus, grading schema, remaining lectures and lecture notes, weekly quizzes, regular assignments, and final exam.

Graduate Teaching Assistant—NRM 5311 (online) (Spring 2020): Texas Tech University, Lubbock, TX

Assisted a faculty member with course communication, Blackboard structuring, and grading during the Covid-19 pandemic for NRM 5311 Wildlife Conservation and Management.

Undergraduate Research Project Mentor (2019): Texas Tech University, Lubbock, TX

I directed and monitored an undergraduate within the NRM department on how to conceptualize, design, analyze, and develop a project and poster for her undergraduate research credits involving pre-collected seed bank seedling data in varying stand and treatment types from north-central New Mexico.

Graduate Teaching Practicum—NRM 4305/5305 (2019): Texas Tech University, Lubbock, TX

Assisted my advisor with NRM 4/5305 Big Game Management by revising and teaching one of his 3 hr lectures and then producing and teaching 3 further lectures (12 total class hours, 4 weeks of lectures).

Undergraduate Research Project Mentor (2017): Texas Tech University, Lubbock, TX

Directed and monitored an undergraduate within the NRM department on how to conceptualize, design, analyze, and develop a project and poster for her undergraduate research credits involving pre-collected stem density data on varying elevations and slopes in treated and untreated sites in north-central New Mexico.

Short-Term Teaching Events (2016-2019): Texas Tech University, Lubbock, TX

Taught compass use, triangulation, or VHF telemetry for the outdoor lab portion of the NRM 1401 undergraduate Lab Techniques course.

Graduate Teaching Assistant/Primary Instructor (2013-2015): Oregon State University, Corvallis, OR

All courses contained 30-40 students. Student Evaluations of Teaching:

Term	Course	Response Rate	Question	Course Median
2015 Winter	FW 317: Mammalogy (online)	79%	Q1 ^a Q2 ^b	4.60 4.90
2014 Summer	FW 255: Field Sampling Techniques (online)	85%	Q1 ^a Q2 ^b	5.30 5.60
2014 Spring	FW 255: Field Sampling Techniques (online)	73%	Q1 ^a Q2 ^b	5.60 5.60
2014 Winter	FW 255: Field Sampling Techniques (online)	53%	Q1 ^a Q2 ^b	5.80 5.30
2013 Winter	FW 255: Field Sampling Techniques (online)	28%	Q1 ^a Q2 ^b	5.80 5.90

^aQuestion 1 asks the student to evaluate the course as a whole on a scale of 0 (very poor) to excellent (6).

^bQuestion 2 asks the student to evaluate the instructor's contribution to the course on a scale of 0 (very poor) to excellent (6).

Science Tutor (2010-2011): Bryan College, Dayton, TN

I assisted students one on one with understanding or developing basic study skills in chemistry, anatomy and physiology, botany, and the biology section of the ACT.

Presentations, Conferences, and Educational Activities

Invited Presentations:

2024 Poster **Valverde, Sharon E.**, James W. Cain, and Warren C. Conway. Elk Resource Selection and Reproductive Success in New Mexico. Mississippi State University Department of Wildlife, Fisheries, and Aquaculture Spring Seminar Series, Starkville, MS.

Professional Oral and Poster Presentations:

2024 Presentation **Valverde, Sharon E.**. Report on initial results from the CBC mammal surveys using RC&D funds. Tombigbee RC&D Council Grant Celebration Meeting, Centreville, AL.

2024 Poster Underwood, Taylor and **Sharon Valverde**. Conducting Bat and Small Mammal Surveys at the Cahaba Biodiversity Center in Central Alabama. Annual Conference of the Alabama Chapter of The Wildlife Society, Millbrook, AL.

2024 Poster Underwood, Taylor and **Sharon Valverde**. Conducting Bat and Small Mammal Surveys at the Cahaba Biodiversity Center in Central Alabama. University Research Symposium, University of West Alabama, Livingston, AL.

2024 Poster Underwood, Taylor and **Sharon Valverde**. Conducting Bat and Small Mammal Surveys at the Cahaba Biodiversity Center in Central Alabama. Annual Meeting of the Association of Southeastern Biologists, Chattanooga, TN.

2022 Poster **Valverde, Sharon E.**. Pilot Study: Surveying Medium and Large Mammals at the Newly Formed Cahaba Biodiversity Center. Annual Meeting of the Association of Southeastern Biologists, Little Rock, AR.

2020 Presentation **Valverde, Sharon E.**, James W. Cain III, Warren C. Conway, and Mark Peyton. The Large Mammal Monitoring Project: Elk and Deer Forage Update. Annual Meeting for the Southwest Jemez Collaborative Forest Landscape Restoration Project, Santa Fe, NM. *Cancelled due to Covid-19; written report submitted instead.*

2019 Presentation **Smythe, Sharon E.**, James W. Cain III, and Warren C. Conway. Ungulate Forage Biomass and Quality During 6 Years of Landscape Restoration. Western Association of Fish and Wildlife Agencies: Deer and Elk Workshop, Marfa, TX

2019 Poster Keats, Jordan, **Sharon E. Smythe**, James W. Cain III, and Warren C. Conway. Initial Results of Forage Seed Bank Germination Relative to Landscape Level Restoration Efforts in North-Central New Mexico. Texas Tech Annual Biological Sciences Symposium, Lubbock, TX

2019 Presentation **Smythe, Sharon E.**, James W. Cain III, Warren C. Conway, and Mark Peyton. The Large Mammal Monitoring Project: Elk and Deer Update. Annual Meeting for the Southwest Jemez Collaborative Forest Landscape Restoration Project, Santa Fe, NM

2019 Presentation **Smythe, Sharon E.**, James W. Cain III, Warren C. Conway, and Mark A. Peyton. Changes in Forage Biomass for Elk and Mule Deer Following 6 Years of Landscape Scale Forest Restoration and Monitoring in the Jemez Mountains, NM. Texas Chapter of The Wildlife Society Annual Meeting, Montgomery, TX.

2019 Presentation **Smythe, Sharon E.**, James W. Cain III, Warren C. Conway, and Mark A. Peyton. Changes in Forage Biomass for Elk and Mule Deer Following 6 Years of Landscape Scale Forest Restoration and Monitoring in the Jemez Mountains, NM. Annual Meeting of the Arizona-New Mexico Chapters of the American Fisheries Society and The Wildlife Society, Albuquerque, NM.

2018 Presentation **Smythe, Sharon E.**, James W. Cain III, and Warren C. Conway. The Large Mammal Monitoring Project: Elk Study. Brown Bag Talk at the Valles Caldera National Preserve, Jemez Springs, NM.

2018 Presentation **Smythe, Sharon E.**, James W. Cain III, and Warren C. Conway. The Large Mammal

		Monitoring Project: Elk and Forage Update. Annual Meeting for the Southwest Jemez Collaborative Forest Landscape Restoration Project, Santa Fe, NM.
2018	Poster	Smythe, Sharon E. , James W. Cain III, Warren C. Conway, Mark A. Peyton, Lance Bernal. Factors Influencing Calf Bed Site Selection in a Landscape Changed by Wildfire and Restoration. Texas Chapter of The Wildlife Society Annual Meeting, Dallas, TX.
2018	Poster	Smythe, Sharon E. , James W. Cain III, Warren C. Conway, Mark A. Peyton, Lance Bernal. Factors Influencing Calf Bed Site Selection in a Landscape Changed by Wildfire and Restoration. Annual Meeting of the Arizona-New Mexico Chapters of the American Fisheries Society and The Wildlife Society, Flagstaff, AZ.
2017	Poster:	Menefee, Alison R., Sharon E. Smythe , James W. Cain III, and Warren C. Conway. Stem Densities of <i>Populus tremuloides</i> in Aspen Managed Wildfire Plots and Not Treated Plots in Northern New Mexico. Texas Section of the Society for Range Management, San Angelo, TX.
2017	Poster:	Smythe, Sharon E. , James W. Cain III, Warren C. Conway, and Mark A. Peyton. Influence of Movement and Resource Use on Reproductive Success of Elk in a Restored Landscape. The National Meeting of The Wildlife Society, Albuquerque, NM.
2017	Presentation:	Smythe, Sharon E. , James W. Cain III, and Warren C. Conway. The Large Mammal Monitoring Project: Elk Update. Annual Meeting for the Southwest Jemez Collaborative Forest Landscape Restoration Project, Santa Fe, NM.
2017	Poster:	Smythe, Sharon E. , James W. Cain III, Warren C. Conway, Mark A. Peyton, Robert R. Parmenter. Movement, Resource Use, And Reproductive Success Of Elk In Response To Competition, Predation Risk, And Landscape Restoration. The Texas Chapter of The Wildlife Society Annual Meeting, San Antonio, TX.
2017	Poster:	Smythe, Sharon E. , James W. Cain III, Warren C. Conway, Mark A. Peyton, Robert R. Parmenter. Movement, Resource Use, And Reproductive Success Of Elk In Response To Competition, Predation Risk, And Landscape Restoration. The 50 th Annual Meeting of the Arizona-New Mexico Chapters of the American Fisheries Society and The Wildlife Society, Farmington, NM.
2016	Poster:	Smythe, Sharon E. , Dana M. Sanchez, and Clinton E. Epps. Evaluating Models of Nutritional Carrying Capacity for Wintering Moose on an Alaskan Delta. Joint Texas Tech Natural Resources Management and Texas Cooperative Fish and Wildlife Unit Meeting, Lubbock, TX
2016	Poster:	Smythe, Sharon E. , Dana M. Sanchez, and Clinton E. Epps. Evaluating Models of Nutritional Carrying Capacity for Wintering Moose on an Alaskan Delta. Texas Tech Annual Biological Sciences Symposium, Lubbock, TX
2016	Poster:	Smythe, Sharon E. , Dana M. Sanchez, and Clinton E. Epps. Evaluating Models of Nutritional Carrying Capacity for Wintering Moose on an Alaskan Delta. The Texas Chapter of The Wildlife Society Annual Meeting, San Antonio, TX
2015	Presentation:	Smythe, Sharon E. , Dana M. Sanchez, and Clinton E. Epps. Evaluating Models of Nutritional Carrying Capacity for Wintering Moose on an Alaskan Delta. The Wildlife Society Oregon Chapter Annual Meeting, Eugene, OR
2015	Presentation:	Smythe, Sharon E. , Dana M. Sanchez, and Clinton E. Epps. Evaluating Models of Nutritional Carrying Capacity for Wintering Moose on an Alaskan Delta. Research Advances in Fisheries and Wildlife Symposium, Corvallis, OR
2014	Poster:	Smythe, Sharon E. , Dana M. Sanchez, and Clinton E. Epps. Temporal Shifts in Nutritional Carrying Capacity for Wintering Moose on the Copper River Delta, Alaska. The Wildlife Society 21 st Annual Conference, Pittsburgh, PA
2014	Presentation:	Smythe, Sharon E. , Dana M. Sanchez, and Ricardo Mata-Gonzalez. Hydro-axing

effects on browse resources available to wintering moose on the Copper River Delta, Alaska. 48th North American Annual Moose Conference and Workshop, Girdwood, AK

2014 Presentation: **Smythe, Sharon E.**, Dana M. Sanchez, and Ricardo Mata-Gonzalez. Hydro-axing effects on browse resources available to wintering moose on the Copper River Delta, Alaska. The Wildlife Society OR Chapter Annual Meeting, Bend, OR

2014 Presentation: **Smythe, Sharon E.**, Dana M. Sanchez, and Ricardo Mata-Gonzalez. Hydro-axing effects on browse resources available to wintering moose on the Copper River Delta, Alaska. Society for Range Management 66th Annual Technical Trade and Training Show, Orlando, FL

2014 Presentation: **Smythe, Sharon E.**, Dana M. Sanchez, and Ricardo Mata-Gonzalez. Hydro-axing effects on browse resources available to wintering moose on the Copper River Delta, Alaska. Research Advances in Fisheries and Wildlife Symposium, Corvallis, OR

2011 Presentation/: **Smythe, Sharon E.** Balancing Imago Dei with Dominion: A Biblical Understanding of Conservation Ethics. Origins Conference, Rapid City, SD

2011 Presentation: **Smythe, Sharon E.** Balancing Imago Dei with Dominion: A Biblical Understanding of Conservation Ethics. First Annual Undergraduate Research Conference, Bryan College, Dayton, TN

Professional Conferences Attended:

2024 Attended: Alabama Bat Working Group annual meeting, Clanton, AL

2023 Attended: Non-land grant Agricultural and Renewable Resources University (NARRU) annual members meeting, Texas Tech University, Lubbock, TX

2023 Attended remotely: Weasel Working Group virtual symposium

2020 Attended remotely: 23rd Eastern Elk Management Workshop, hosted virtually due to Covid19 by Minnesota Department of Natural Resources, Bemidji, MN

2016 Attended: The New Mexico Ornithological Society Annual Meeting, Albuquerque, NM

2016 Attended: The Wildlife Society Joint New Mexico and Arizona Annual Meeting, Flagstaff, NM

2016 Attended: West Texas Regional Meeting of Texas Women in Higher Education, Texas Tech University, Lubbock, TX

2013 Attended: Research Advances in Fisheries and Wildlife Symposium, Corvallis, OR

2013 Attended: The Wildlife Society Joint Oregon/Washington Annual Meeting, Stevenson, WA

2012 Attended: The Wildlife Society 19th Annual Conference, Portland, OR

Public Education and Outreach Activities:

2024 **Monitoring Mammals at the CBC and Exclosure Construction:** (Cahaba Biodiversity Center, AL) I coordinated a workshop with my grad student at the CBC for 3 student groups (university and high school) to learn about noninvasive mammal survey techniques; the groups then helped us construct the exclosures needed to study deer herbivory effects on herbaceous biodiversity at the CBC.

2019 **Booth Leader at Scales, Tails, and Trails Educational Event:** (Lubbock, TX) I coordinated all supplies needed, oversaw booth setup, managed volunteers, and demonstrated drawing for the Nature Sketching booth.

2018 **Booth Assistant at Scales, Tails, and Trails Educational Event:** (Lubbock, TX) I assisted on the day of the event with booth set up and guided children participation in gyotaku (Japanese fish printing).

2017 **Committee Assistant and Booth Coordinator at Scales, Tails, and Trails Educational Event:** (Lubbock, TX)
I was part of planning committee which coordinated booth types, advertisement, and other practical applications of an annual youth event hosted by the Association of Natural Resource Scientists and the Lubbock Living Landmark. I also coordinated supplies and personnel for the Skins and Skulls and Nature Sketching booth, and led the booth on the day of the event.

2016 **Booth Leader at Scales, Tails, and Trails Local Educational Event:** (Lubbock, TX)
I gathered supplies for, coordinated personnel for, and demonstrated drawing at an educational booth teaching the art of nature sketching as a part of the annual youth event hosted by the Association of Natural Resource Scientists and the Lubbock Living Landmark. I was also interviewed on Local TV (Fox 34) to advertise the event.

2015 **Gear Building Workshop:** (Corvallis, OR)
I helped coordinate and run an undergraduate volunteer opportunity to learn how to make track plate boxes, DNA sample vials, and other gear used during small mammal detection surveys.

2015 **Lecture at South Shore Elementary School:** (Albany, OR)
I presented on the ecology of giraffes and elephants (the classroom mascots) to two 4th grade classrooms.

2014 **Scientific Presentation for the Prince William Sound Science Center:** (Cordova, AK)
I explained the initial results and answered questions relating to the hydraulic-axing work and its effect on moose forage on the Copper River Delta to local residents.

2014 **Presentation at Graduate Research PowerPoint Potluck:** (Corvallis, OR)
I presented a brief summary of my thesis research and was voted the second-best overall speech.

2013 **Lecture at Cordova High School:** (Cordova, AK)
I presented a summary of my research on the Copper River Delta to four classes (7th-12th) and the students how to identify the eight main browse species for moose. The students participated in hands-on processing of willow samples.

2011 **Presentation for President's Round Table of Bryan College:** (Dayton, TN)
I presented highlights of my time in South Africa interpreted with an overarching theme.

2011 **Photographic Display in the William Hennings Museum:** (Dayton, TN)
Selected pictures from my South African internship were shown with accompanying scientific text. Opening day of the display was used as a question-answer time with the public.

2010 **Educational Presentation at Dayton Elementary School 4th grade:** (Dayton, TN)
I gave a PowerPoint presentation on insects with a hands-on learning period afterwards.

Scholarships, Fellowships, Grants, and Awards

Grants, Assistantships, and Fellowships Awarded:

2023	Alabama Association of Resource Conservation and Development Councils, Tombigbee Council	\$9,997
2022	Faculty Seed Grant, Office of Sponsored Programs, The University of West Alabama	\$1500
2018-2021	Elo and Olga Urbanovsky Assistantship, Graduate School, Texas Tech University	\$15,000/year
2016	Smythe, Sharon E., Warren C. Conway, and James W. Cain III. Effects of Landscape Forest Restoration on Elk Resource Selection and Calf Survival. T&E Inc., Grants for Conservation Biology.	\$3000

Scholarships and Awards Awarded:

2017	Graduate Student Research Support Award , The CH Foundation, The Graduate School, Texas Tech University	\$1000
2017-2020	TTU Graduate Assistant Scholarship (Spring & Fall) , Department of Natural Resources Management, Texas Tech University	\$2250/sem.
2016	TTU Graduate Assistant Scholarship (Fall) , Department of Natural Resources Management, Texas Tech University	\$100
2016	TTU Pendleton-Rogers Agriculture Scholarship (Fall) , Department of Natural Resources Management, Texas Tech University	\$2350
2016	1st Place Graduate Student Poster , Texas Chapter of The Wildlife Society Annual Meeting	NA
2016	TTU Pendleton-Rogers Agriculture Scholarship (Spring) , Department of Natural Resources Management, Texas Tech University	\$3000
2015	Savery Outstanding Master's Student Award , Agriculture Research Foundation, College of Agricultural Sciences, Oregon State University	\$1000
2014	Laurels Scholarship , Department of Fisheries and Wildlife, Oregon State University	\$2217
2014	Newcomers Award , 48 th North American Moose Conference and Workshop	\$945
2013	Munson Wildlife Graduate Travel Scholarship , Department of Fisheries and Wildlife, Oregon State University	\$1300
2011	2nd Place Speech , 1 st Undergraduate Research Conference, Bryan College	NA
2007	President's Scholarship , Bryan College	(tuition, room, and board)

Professional Development

2024	1 Day Workshop	NSF Directors Workshop , National Science Foundation, The University of West Alabama
2024	Webinar	Blackboard Ultra , The University of West Alabama.
2024	1 Day Workshop	Speed of Trust , Franklin Covery, The University of West Alabama.
2024	Webinar	Blackboard Mastershel , The University of West Alabama.
2024	1 Day Workshop	STEM Grant Writing Workshop , Office of Sponsored Programs, Research, and Outreach, The University of West Alabama.
2023	Webinar	When AI is a Liar and a Cheat: Re-Imagining Authentic Assessment in the Age of Open AI , MacMillan Learning, The University of West Alabama
2023	1 Day Workshop	Forestry and Bat Workshop , Alabama Forestry Association
2022	1 Day Workshop	Diversity and Inclusion Training , Office of Diversity and Inclusion, The University of West Alabama
2021	1 Day Workshop	Grant Writing , Office of Sponsored Programs and Research, University of West Alabama
2020	Webinar	Blackboard 9.1 Course Development and Use , Texas Tech University
2020	Webinar	The Interface of Nutrition and Disease in a Coastal Ungulate – Tule Elk at Point Reyes National Seashore, California , The Wildlife Society's Nutritional Ecology Working Group
2020	Webinar	Female Rangers and Anti-Poaching Strategies to Stem Corruption , World Wildlife Foundation of the US
2020	Webinar	Political Ecology in Anti-Corruption Efforts and Practice , World Wildlife Foundation of the US

2020	1 Day Workshop	An Introduction to Kaleidoscope for Non-Bat Acoustic Surveys , Annual Meeting of the Texas Chapter of The Wildlife Society, Corpus Christi, TX
2019	1 Day Workshop	An Introduction to Occupancy Estimation and Modeling in R , Joint Annual Meeting of NM and AZ Chapters for The Wildlife Society, Albuquerque, NM
2018	Lecture	Salary Bargaining , Graduate Student Center, Texas Tech University, Lubbock, TX
2018	3 Month Program	Women and Minority Graduate Mentoring , Teaching, Learning, & Professional Development Center and the Center for Minority Inclusion, Texas Tech University, Lubbock, TX
2017	Lecture	Re-Prioritizing our Well-Being: Evidence-Based Self-Care for Faculty , Teaching, Learning, & Professional Development Center, Texas Tech University, Lubbock, TX
2017	1 Day Workshop	Animal Trapping Techniques for Researchers and Managers , the Wildlife Society National Meeting, Albuquerque, NM
2017	1 Day Workshop	Predator Identification , Texas Parks and Wildlife, Matador, TX
2016	1 Day Workshop	Basic Interpretation of Predation Events , Texas Parks and Wildlife, Canyon, TX
2016	3 Day Workshop	Chemical Immobilization of Animals , SafeCapture, San Antonio, TX
2016	1 Day Workshop	Technology in Wildlife Research , Joint New Mexico and Arizona Annual Meeting of the Wildlife Society, Flagstaff, AZ
2016	3 Day Program	Groundwork Teacher Training , Teaching, Learning, and Professional Development Center, Texas Tech University, Lubbock TX <ul style="list-style-type: none"> • I was taught teaching techniques, student learning limitations, and best practices in the classroom • I taught peers and professionals; given live feedback and critique
2014	1 Day Workshop	Human-Carnivore Interactions and Management in the Eastern USA , The Wildlife Society, Pittsburgh, PA
2013	1 Day Workshop	How to Determine Authorship , Oregon State University Library Workshop, Corvallis, OR
2013	1 Day Workshop	Basic Endnote , Oregon State University Library Workshop, Corvallis, OR

Professional Memberships and Activities

2024-present	The Wildlife Society, Alabama Chapter
2022-present	Weasel Working Group
2022-present	Association of Southeastern Biologists
	2022 Judged research posters and an afternoon session of presentations.
2016-2022	The Wildlife Society, Texas Chapter
	2020 Judged undergraduate posters and moderated a session
	2019 Co-led the photo and art competition, and coordinated award delivery during the Awards Ceremony for the annual conference
	2018 Helped coordinate the photo and art competition for the 2019 conference
	2017 Assisted with the photo and art submissions and competition
	2016 Assisted with the photo and art submissions and competition
2016-2022	The Wildlife Society, New Mexico Chapter
2016-2021	Association of Natural Resource Scientists , grad student organization for the Department of Natural Resources Management, Texas Tech University
	2021 Assisted the Seminar Chairs with coordinating a speaker for the Spring Seminar Series.

		<ul style="list-style-type: none"> - Coordinated speaker date, time, and topic - Hosted the conversation with Warden Craig Spencer of the Balule Nature Reserve, Kruger National Park, South Africa: "<i>The Black Mamba Anti-Poaching Unit: Building Resilience for Protected Areas through Tribal Communities in the Southern African Arena</i>"
2019-2020	President of ANRS	<ul style="list-style-type: none"> - Performed all normal Presidential duties: coordinated and led all group meetings; assisted with communication regarding group activities and votes; acted as the liaison for ANRS to the department; coordinated meetings with TTU TWS; helped create the annual budget - Oversaw the restructuring and revision of organizational Purpose and Goals by chairing a 9-member committee; coordinated with a TTU faculty trained in Structured Decisions Making to guide our committee sessions - Oversaw significant changes to our Constitution and By-Laws via structured votes with input from large group meetings; revised both documents accordingly - Developed a Risk Management Plan for ANRS and assisted with event-specific plans - Developed a comprehensive Manual, detailing everything needed to run ANRS for future Officers - Adjusted and communicated changes to our organization's activities during the Covid-19 pandemic
2019	Liaison for Association and NRM department to the 10 th Texas Tech Annual Biological Sciences Symposium	<ul style="list-style-type: none"> - Coordinated selection, travel, and scheduling for a plenary speaker - Assisted TTABSS committee members with fundraising and judge requests.
2018	Assisted with Wednesday morning Coffee Hour	
2017	Assisted with the 8 th Texas Tech Annual Biological Sciences Symposium fundraising and event advertisement.	
2016-2018	The Texas Mule Deer Society	
2016	Help with clean up at the Turkey Chapter TMDS annual fundraiser banquet	
2016	Helped with set up and clean up at the Lubbock Chapter TMDS annual fundraiser banquet	
2013-2014	The Society for Range Management	
2012-2015	Fisheries and Wildlife Graduate Student Association , Department of Fisheries and Wildlife, Oregon State University	
	2015	Moderated a session for their annual Symposium, and was asked to provide a drawing for the pre-event and evening fundraisers
	2014	Coordinated judges for presentations and posters at their annual Symposium, and was asked to provide a drawing for the evening fundraiser
	2014	Helped revise the Association constitution
	2013	Coordinated brownbag speakers and workshop leaders and organized a Wildlife Photography workshop for their annual Symposium
2012-2024	The Wildlife Society, National	
	2017	Moderated an afternoon session
	2013	Volunteered as a session timer
2012-2015	The Wildlife Society, Oregon Chapter	

Service Activities

Institutional Service:

- 2024 Coordinated a First Aid Workshop for BES faculty and grad students through the American Heart Association.
- 2024 Coordinated conversations between upper admin and our department in order to get health coverage for our graduate students through UWA's health contract.
- 2024 With two other faculty members, built first aid kits for the BES department; developed the protocol for their use.
- 2024 Advertised, assisted with, and coordinated volunteers for a BES recruitment table at an on-campus Ag Expo.
- 2024 Coordinated a student/visiting professor interaction event with a visiting professor during his interview for a position within the department.
- 2024 Continued caring for the zoology lab teaching animals.
- 2024 Assisted with several recruiting events, including advertising our BES programs at the CBC Workshop I developed, assisting with a visit from a class from Tuscaloosa High School, and meeting with a potential transfer student and her mother.
- 2024 Attended and judged virtual presentations at the UWA University Research Symposium.
- 2024 Assisted with prescribed burning of trail system and prairie managed by UWA with the assistance of a biology student organization (ORCA).
- 2024 Managed the online internship opportunities available to our Environmental Science students in BES through Riipen.
- 2023 Took over care and management of the zoology lab teaching animals.
- 2023 Met with two USDA staff member to develop volunteer and employment pipeline opportunities for our students.
- 2023 Participated in several recruitment efforts for UWA, including Go West Orientation, Family Day, running a wildlife lab for visiting high school class, and an educational visit of 150 high school students in one day at the Cahaba Biodiversity Center.
- 2022 Assisted with a meeting with Wiley in order to aid correct advertising and explaining of the Conservation Enterprises program to possible recruits
- 2022 Attended and judged poster presentations at the UWA University Research Symposium.
- 2021 Assisted with recruitment efforts for the BES Department at UWA and BOSS II Scholarship awareness by coordinating recruitment efforts for the department with Dr. Tracee Keener, calling and/or emailing 38 high schools, sending information to 12 schools, visiting 4 schools in person, and presenting information over 4 zoom meetings.
- 2021 Assisted with the development of practica options and schedule for the Conservation Enterprises degree program at UWA.
- 2021 Set up a new GIS computer lab for the BES Department at UWA.
- 2021 Assisted with the development of a study abroad program through Texas Tech University and Transfrontier Africa in Kruger National Park, South Africa. First classes attended in 2022.
- 2019 Was chosen by the NRM department to represent NRM grad students on a panel evaluating the efficacy of the TTU Graduate School.
- 2019 Judged undergraduate posters and presentations in the 10th Texas Tech Annual Biological Sciences Symposium.
- 2018 Volunteered weekly at the Texas Tech Therapeutic Riding Center where kids with mental or physical disabilities engage with horses and riding to increase their cognitive and physical abilities.
- 2016 Judged posters in graduate poster competition hosted by the Graduate School, Texas Tech University

2014 Helped lead the graduate student-led Journal Club by coordinating meeting times and leading a few discussions.

Manuscripts Reviewed:

2021 *Journal of Wildlife Management*: S. Esmaeli, S. King, and K. Schoenecker. Seasonal Resource Selection and Movement Ecology of Free-Ranging Horses in the Western USA

2020 *Journal of Wildlife Management*: S. Esmaeli, S. King, and K. Schoenecker. Seasonal Resource Use and Movement of Free-Ranging Horses in the Western USA

Graduate Committees:

2024-2025	Member	Emily Jones, The University of West Alabama
2023-current	Chair	Jessica Williams, The University of West Alabama
2023-current	Chair	Taylor Underwood, The University of West Alabama
2022-2024	Member	Aubree Plymale, The University of West Alabama
2022-2023	Member	Zach Alley, The University of West Alabama
2022-2023	Member	David Pounders, The University of West Alabama
2021-2023	Member	Caleb Mullins, The University of West Alabama

Institutional Committees:

2024-2025 BES Scholarship and Internship Committee

2024 BES Bylaws Revision Committee

2024-2025 BES Undergraduate Recruitment and Retention Committee, The University of West Alabama

2023 Scientia Magazine, co-editor, The University of West Alabama

2023 BES Departmental Recruitment Committee, The University of West Alabama

2023-2025 NSM Roundtable, The University of West Alabama

2023 Campus Schedule Committee, The University of West Alabama

2022 BES Departmental Purpose Committee, The University of West Alabama

2022 NSM Honors Day Committee, The University of West Alabama

2022-2025 Cahaba Biodiversity Committee, The University of West Alabama

2021-2022 Informational Technology Committee, The University of West Alabama

2021-2025 Academic Integrity Committee, The University of West Alabama

2021-2025 Institutional Animal Care and Use Committee, The University of West Alabama

2014 Graduate Student Tenure and Promotion Committee (Chair), Oregon State University

Public Service:

2024 Member of the Livingston Beautification Board
 - Assisted with the fundraising plant sale at the Sucharnochee Festival in April
 - Assisted with decorating the downtown square for Christmas
 - Helped judge the “most beautifully decorated yards” for Christmas

2024 Helped clean up the community orchard and garden for planting in the Spring; watered the garden on weekends throughout the Summer.

2024 Provided a presentation to the Campus School daycare on “Under the Sea – Sea Creature Noises” with another faculty member.

2023 Member of the Livingston Beautification Board
 - Helped judge the “most beautifully decorated yards” for Christmas

2023 Assisted with The Harvest through the University Charter School again; supplied preserved specimens of wildlife for students to interact with which supplement their knowledge of the game animals being processed for meat; ran deer gut section

2023 Helped clean up and develop the community orchard and garden, including coordinating some volunteers, in Livingston, AL

Training Courses & Certifications

2024 **Basic Life Support (First Aid and CPR)**, valid through 2026, American Heart Association, The University of West Alabama

2024 **Human Resources Interfolio Training**, valid through NA, The University of West Alabama

2023 **Title IX Training**, valid through NA, The University of West Alabama

2023 **Active Shooter Training**, valid through NA, The University of West Alabama

2023 **The Southern Association of Colleges and Schools Commission on Colleges (SACSCOC)**, valid through NA, The University of West Alabama

2023 **Family Educational Rights and Privacy Act (FERPA)**, valid through December 2023, The University of West Alabama

2020 **Family Education Rights and Privacy Act (FERPA)**, valid through December 2020, Texas Tech University, Lubbock, TX

2020 **Motor Vehicle Operation and Trailer Pulling Review**, valid through NA, Texas Tech University, Lubbock, TX

2019 **Essentials for IACUC Members**, valid through November 2021, Texas Tech University, Lubbock, TX

2019 **Biological Science Responsible Scholarship**, valid through November 2020, Texas Tech University, Lubbock, TX

2019 **Animal Biosafety**, valid through August 2021, Texas Tech University, Lubbock, TX

2019 **Basic Introduction to Biosafety**, valid through August 2021, Texas Tech University, Lubbock, TX

2019 **Initial Biosafety**, valid through August 2021, Texas Tech University, Lubbock, TX

2019 **Institutional Official: Animal and Care and Use**, valid through August 2021, Texas Tech University, Lubbock, TX

2019 **Physical Science Responsible Scholarship**, valid through August 2021, Texas Tech University, Lubbock, TX

2019 **Wildlife Research**, valid through August 2021, Texas Tech University, Lubbock, TX

2017 **Large Trailer Pulling**, valid through NA, Texas Tech University, Lubbock, TX

2017 **Texas Hunter Education**, valid through NA, the State of Texas, Lubbock, TX

2017 **Small Trailer Pulling**, valid through NA, Texas Tech University, Lubbock, TX

2017 **ATV Operation**, valid through NA, Texas Tech University, Lubbock, TX

2017 **Chainsaw Operation and Safety Training**, valid through NA, Fish and Wildlife Service, Lubbock, TX

2016 **Introduction to Access**, Texas Tech University Library Short-Courses, Lubbock, TX

2016 **Safety Awareness and Laboratory Safety**, valid through September 2018, Texas Tech University, Lubbock, TX

2016 **Defense Against Dangerous Animals—Bear Spray**, valid through NA, Department of Interior, New Mexico

2016 **IACUC Certification**, valid through April 2019, Texas Tech University, Lubbock, TX

2015 **Motor Vehicle Operation**, valid through March 2018, United States Forest Service, Corvallis, OR

2015 **Motor Vehicle Operation**, valid through September 2015, United States Fish and Wildlife Services, Portland, OR

2015 **Motor Vehicle Operation**, valid through September 2015, Bureau of Land Management, Salem, OR

2011 **Wilderness First Aid Responder**, valid through May 2013, Doe River Gorge, Hampton, TN

2011 **First Aid & CPR**, valid through June 2013, Grandfather Mountain, Linville, NC