

Abigail N Dwelle

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EDUCATION

Texas A&M University, College Station, TX June 2026
Master of Science in Rangeland, Wildlife & Fisheries Management GPA: 4.0
Thesis: “Using Helicopter Surveys to Assess Habitat Use of Collared Peccary”

Clemson University, Clemson, SC Dec 2022
Bachelor of Science in Wildlife and Fisheries Biology GPA: 4.0
Minor in Nonprofit Leadership and Biological Sciences

The School for Field Studies, Kimana, Kenya Jan 2022-May 2022
Research: “Distribution, Habitat Preference & Threats facing Maasai Giraffe in Kimana, Kenya”

PROFESSIONAL/RESEARCH EXPERIENCE

Texas A&M University / Natural Resources Institute, College Station, TX Oct 2023-Present
Graduate Student Employee/ Teaching Assistant/ Research Aid

- Conducted helicopter, road, camera, and GPS collared surveys for South Texas javelina research, collected >1,000 total helicopter observations across multiple ranches; captured 103 individuals and supported multi-property project planning and execution.
- Developed habitat suitability models and analyzed detection probability of javelina data using R and ArcGIS.
- Completed research/manuscripts that evaluated the effectiveness of solar-powered ear tags for wildlife tracking and on reproductive parameters of wild pigs in Oklahoma.
- Assisted professors with teaching and grading undergraduate courses: Conservation Principles and the Role of Hunting (TA), Natural Resources Policy (TA), First Year Experience, College of Agriculture & Life Sciences (Instructor)

Savannah River Ecology Lab, Aiken, SC Jan 2023-Aug 2023
Wild Hog Field Technician

- Set and monitored 200+ trail cameras; Built traps, assisted with collaring and sampling.
- Collected vegetation data; monitored GPS collars; analyzed data using CPW, R, and GIS.

South Carolina Wildlife Federation, Clemson, SC Sept 2021-Dec 2022
Academics Afield Intern

- Recruited for R3 program and organized mentored hunts and wild game dinners.
- Coordinated lessons with DNR and Clemson Shotgun Range for new hunters.

TEACHING EXPERIENCE

College of Agriculture & Life Sciences, Texas A&M University Aug 2025-Dec 2025
Instructor of Record, First-Year Experience in the College of Agriculture and Life Science

- Independently instructed and evaluated one section of 25 first-year undergraduate students
- Designed and implemented assessments aligned with course learning outcomes in collaboration with faculty
- Held regular office hours and provided individualized academic mentoring
Supervised and met weekly with an undergraduate teaching assistant

Department of Rangeland, Wildlife & Fisheries Management, Texas A&M University Jan 2025-
Teaching Assistant, Conservation Principles and the Role of Hunting May 2025

- Supported instruction for a 20-student undergraduate course in wildlife conservation
- Graded assignments and exams and assisted with test development
- Manage course Canvas platform and instructional materials
- Assisted/ led weekly outdoor, hands-on laboratory exercises

Department of Rangeland, Wildlife & Fisheries Management, Texas A&M University Aug 2025-
Teaching Assistant, Natural Resources Policy Dec 2025

- Supported instruction for an ~80-student undergraduate course in wildlife policy
- Graded writing assignments and quizzes and assisted with quiz development
- Provided detailed, constructive feedback on four major writing assignments per student
- Contributed to the development and revision of course assignments

South Carolina Wildlife Federation Sept 2021-Dec 2022
Academics Afield Intern

- Mentored underrepresented students (students of color, women, first-generation college students, and students with no prior hunting experience) in outdoor-based experiential learning
- Facilitated hands-on instruction in hunting, conservation ethics, and wildlife management principles
- Fostered an inclusive learning environment that increased student confidence and engagement in natural resource fields
- Provided individualized mentorship and academic support

CURRICULUM & COURSE DEVELOPMENT

- Developed original course materials and assignments for undergraduate courses in wildlife conservation and policy
- Designed and implemented lesson plans for experiential learning programs, including *Academics Afield* and the South Carolina Wildlife Federation Education Department
- Created new hands-on exercises and instructional content to support inclusive outdoor and classroom learning
- Authored assessments and writing assignments that emphasize critical thinking, conservation ethics, and wildlife management principles
- Adapted curriculum to meet the needs of diverse student populations, including first-generation and underrepresented students

OTHER EXPERIENCE

Aggieland Humane Society, Bryan, TX Aug 2024-Nov 2025

Animal Care Attendant

Greenville Zoo, Greenville, SC Sept 2022-Dec 2022

Animal Care Internship

Dallas Zoo, Dallas, TX May 2022-Aug 2022

Large Mammal- Elephant Department Intern

Memphis Zoo and Aquarium, Memphis, TN May 2021-Aug 2021

Cat Country and Zambezi Intern

Carolina Tiger Rescue, Pittsboro, NC June 2020-Aug 2020

Animal Care Internship

PUBLICATIONS

Peer Reviewed

Benson, D.J., E.M. Tomassetti, A. Dwelle, E. Masterton, M.E. Blum, J.L. Dykes, P.M. Lukacs, W.J. Gann, and S.L. Webb. *Revise/Resubmit*. A journey of epic proportions: the farthest recorded distance traveled by a collared peccary (*Pecari tajacu*). Southwestern Naturalist.

In Progress

Dwelle, A., S. Chinn, J. Beasley, and S.L. Webb. High Output, High Impact: Reproductive Ecology of Wild Pigs in Southcentral Oklahoma.

Dwelle, A., S. Harju, D. Benson, E. Masterton, E. Tomassetti, A. Montalvo, D.A. Woodard, M. Blum, W. Cook, P. Lukacs, J. Dykes, W.J. Gann, and S.L. Webb. Using Helicopter Surveys to Assess Habitat Use of Collared Peccary in Southern Texas.

Tomassetti, E.M., Stewart, D.G., Dwelle, A.N., Masterton, E.A., Lukacs, P.M., Dykes, J.L., Cook, W.E., Blum, M.E., Gann, W.J., and Webb S.L. Quantifying Locational Error and Fix Success from Solar-Powered GPS Ear Tags for Use in Wildlife Research: Collared Peccary (*Pecari tajacu*) as a Case Study.

PRESENTATIONS

Conference Presentations (Presenter)

Dwelle, A., S. Harju, D. Benson, E. Masterton, E. Tomassetti, A. Montalvo, D.A. Woodard, M. Blum, W. Cook, P. Lukacs, J. Dykes, W.J. Gann, and S.L. Webb. 2026. Using Helicopter Surveys to Assess Habitat Use of Collared Peccary in Southern Texas. Department of Ecology & Evolutionary Biology 2026 Annual Ecological Integration Symposium (EIS), Texas A&M University, College Station, Texas.

Dwelle, A., S. Harju, D. Benson, E. Masterton, E. Tomassetti, A. Montalvo, D.A. Woodard, M. Blum, W. Cook, P. Lukacs, J. Dykes, W.J. Gann, and S.L. Webb. 2026. Using Helicopter Surveys to Assess Habitat Use of Collared Peccary in Southern Texas. COALS Research Symposium 2026, College Station, Texas.

Dwelle, A., S. Harju, D. Benson, E. Masterton, E. Tomassetti, A. Montalvo, D.A. Woodard, M. Blum, W. Cook, P. Lukacs, J. Dykes, W.J. Gann, and S.L. Webb. 2026. Using Helicopter Surveys to Assess Habitat Use of Collared Peccary in Southern Texas. Texas A&M Student Research Week, College Station, Texas.

Dwelle, A., S. Chinn, J. Beasley, and S.L. Webb. 2026. High Output, High Impact: Reproductive Ecology of Wild Pigs in Southcentral Oklahoma. Texas A&M Student Research Week, College Station, Texas.

Dwelle, A., S. Chinn, J. Beasley, and S.L. Webb. 2026. High Output, High Impact: Reproductive Ecology of Wild Pigs in Southcentral Oklahoma. 62st Annual Meeting of the Texas Chapter of The Wildlife Society, Galveston, Texas.

Dwelle, A., S. Harju, D. Benson, E. Masterton, E. Tomassetti, A. Montalvo, D.A. Woodard, M. Blum, W. Cook, P. Lukacs, J. Dykes, W.J. Gann, and S.L. Webb. 2026. Using Helicopter Surveys to Assess Habitat Use of Collared Peccary in Southern Texas. 62st Annual Meeting of the Texas Chapter of The Wildlife Society, Galveston, Texas.

Dwelle, A., S. Harju, D. Benson, E. Masterton, E. Tomassetti, A. Montalvo, D.A. Woodard, M. Blum, W. Cook, P. Lukacs, J. Dykes, W.J. Gann, and S.L. Webb. 2026. Using Helicopter Surveys to Assess Habitat Use of Collared Peccary in Southern Texas. Texas Conservation Society, Georgetown, Texas.

Dwelle, A., D. Benson, E. Masterton, E. Tomassetti, M. Blum, W. Cook, P. Lukacs, J. Dykes, W.J. Gann, and S.L. Webb. 2025. *From Helicopter to Habitat: Mapping Javelina Across Southern Texas*. Texas A&M Three Minute Thesis (3MT) Competition, College Station, Texas.

- Dwelle, A., K. Pirkle, D. Benson, E. Masterton, E. Tomassetti, M. Blum, W. Cook, P. Lukacs, J. Dykes, W.J. Gann, and S.L. Webb. 2025. From Ecology to Action: Managing Javelina in South Texas. Texas Master Naturalist 2025 Annual Meeting, College Station, Texas.
- Dwelle, A., D. Benson, E. Masterton, E. Tomassetti, M. Blum, W. Cook, P. Lukacs, J. Dykes, W.J. Gann, and S.L. Webb. 2025. Population and spatial ecology of collared peccary in the South Texas Plains. Department of Rangeland, Wildlife and Fisheries Management Convocation, Texas A&M University, College Station, Texas.
- Dwelle, A., D. Benson, E. Masterton, E. Tomassetti, M. Blum, W. Cook, P. Lukacs, J. Dykes, W.J. Gann, and S.L. Webb. 2025. Population and spatial ecology of collared peccary in the South Texas Plains. Department of Ecology & Evolutionary Biology 2025 Annual Ecological Integration Symposium (EIS), Texas A&M University, College Station, Texas.
- Dwelle, A., D. Benson, E. Masterton, E. Tomassetti, M. Blum, W. Cook, P. Lukacs, J. Dykes, W.J. Gann, and S.L. Webb. 2025. Population and spatial ecology of collared peccary in the South Texas Plains. Texas A&M Student Research Week, College Station, Texas.
- Dwelle, A., D. Benson, E. Masterton, E. Tomassetti, M. Blum, W. Cook, P. Lukacs, J. Dykes, W.J. Gann, and S.L. Webb. 2025. Population and spatial ecology of collared peccary in the South Texas Plains. 61st Annual Meeting of the Texas Chapter of The Wildlife Society, Denton, Texas.
- Dwelle, A., D. Benson, E. Masterton, E. Tomassetti, M. Blum, W. Cook, P. Lukacs, J. Dykes, W.J. Gann, and S.L. Webb. 2025. Population and spatial ecology of collared peccary in the South Texas Plains. Texas Conservation Society, Georgetown, Texas.

Conference Presentations (Co-author)

- Masterton, E., E. Tomassetti, D. Benson, A. Dwelle, J. Dykes, W. Cook, W.J. Gann, S.L. Webb, and M.E. Blum. 2026. Habitat Use and Movement of Collared Peccaries Associated with the Barrier Along the International Border. 62st Annual Meeting of the Texas Chapter of The Wildlife Society, Galveston, Texas.
- Tomassetti, E., D. Benson, A. Dwelle, E. Masterton, M. Blum, W. Cook, J. Dykes, P. Lukacs, E. Moqanaki, W.J. Gann, and S.L. Webb. 2026. Fifty Years in the Making: Revisiting Collared Peccary Demographics in Southern Texas. 62st Annual Meeting of the Texas Chapter of The Wildlife Society, Galveston, Texas.
- Benson, D., E. Tomassetti, A. Dwelle, E. Masterton, M. Blum, J. Dykes, P. Lukacs, and S.L. Webb. 2026. Long-Distance Excursion by a Collared Peccary (*Pecari tajacu*). 62st Annual Meeting of the Texas Chapter of The Wildlife Society, Galveston, Texas.
- Masterton, E., E. Tomassetti, D. Benson, A. Dwelle, J. Dykes, W. Cook, W.J. Gann, S.L. Webb, and M.E. Blum. 2026. Habitat use and movement of collared peccaries associated with the U.S.-Mexico border barrier system. Texas Conservation Society, Georgetown, Texas.
- Masterton, E., E. Tomassetti, D. Benson, A. Dwelle, J. Dykes, W. Cook, W.J. Gann, S.L. Webb, and M.E. Blum. 2025. Habitat Use and Movement of Collared Peccaries Associated With the U.S. - Mexico Border. 32nd Annual Meeting of The Wildlife Society, Edmonton, Alberta, Canada.
- Masterton, E., E. Tomassetti, D. Benson, A. Dwelle, J. Dykes, W. Cook, W.J. Gann, S.L. Webb, and M.E. Blum. 2025. Habitat use and movement of collared peccaries associated with the U.S.-Mexico border barrier system. Texas Master Naturalist 2025 Annual Meeting, College Station, Texas.
- Tomassetti, E., D. Stewart, A. Dwelle, E. Masterton, W. Cook, M. Blum, J. Dykes, W.J. Gann, and S.L. Webb. 2025. Everything that glitters is not gold: investigating solar-powered GPS ear tags for wildlife research. Texas Master Naturalist 2025 Annual Meeting, College Station, Texas.
- Masterton, E., E. Tomassetti, D. Benson, A. Dwelle, J. Dykes, W. Cook, W.J. Gann, S.L. Webb, and M.E. Blum. 2025. Habitat use and movement of collared peccaries associated with the U.S.-Mexico border barrier system. Department of Rangeland, Wildlife and Fisheries Management Convocation, Texas A&M University, College Station, Texas.

- Tomassetti, E., D. Stewart, A. Dwelle, E. Masterton, W. Cook, M. Blum, J. Dykes, W.J. Gann, and S.L. Webb. 2025. Everything that glitters is not gold: investigating solar-powered GPS ear tags for wildlife research. Department of Geography GIS Day 2025 Annual Meeting, Texas A&M University, College Station, Texas.
- Tomassetti, E., D. Stewart, A. Dwelle, E. Masterton, W. Cook, M. Blum, J. Dykes, W.J. Gann, and S.L. Webb. 2025. Everything that glitters is not gold: investigating solar-powered GPS ear tags for wildlife research. Department of Ecology & Evolutionary Biology 2025 Annual Ecological Integration Symposium (EIS), Texas A&M University, College Station, Texas.
- Masterton, E., E. Tomassetti, D. Benson, A. Dwelle, J. Dykes, W. Cook, W.J. Gann, S.L. Webb, and M.E. Blum. 2025. Habitat use and movement of collared peccaries associated with the U.S.-Mexico border barrier system. Texas A&M Student Research Week, College Station, Texas.
- Dube, C., S.L. Webb, W. Cook, A. Dwelle, E. Tomassetti, J. Dykes, M. Blum, E. Masterton, D. Benson, W.J. Gann, and L. Thomas. 2025. Utilizing blood analysis to evaluate health of collared peccary. 61st Annual Meeting of the Texas Chapter of The Wildlife Society, Denton, Texas.
- Tomassetti, E., D. Stewart, A. Dwelle, E. Masterton, W. Cook, M. Blum, J. Dykes, W.J. Gann, and S.L. Webb. 2025. Everything that glitters is not gold: investigating solar-powered GPS ear tags for wildlife research. 61st Annual Meeting of the Texas Chapter of The Wildlife Society, Denton, Texas.
- Masterton, E., E. Tomassetti, D. Benson, A. Dwelle, J. Dykes, W. Cook, W.J. Gann, S.L. Webb, and M.E. Blum. 2025. Habitat use and movement of collared peccaries associated with the U.S.-Mexico border barrier system. 61st Annual Meeting of the Texas Chapter of The Wildlife Society, Denton, Texas.
- Pirkle, K., J. Dykes, S.L. Webb, and W.J. Gann. 2025. Call me a peccary or javelina but do not call me a pig. 61st Annual Meeting of the Texas Chapter of The Wildlife Society, Denton, Texas.
- Masterton, E., E. Tomassetti, D. Benson, A. Dwelle, J. Dykes, W. Cook, W.J. Gann, S.L. Webb, and M.E. Blum. 2025. Habitat use and movement of collared peccaries associated with the U.S.-Mexico border barrier system. Texas Conservation Society, Georgetown, Texas.
- Pirkle, K., J. Dykes, S.L. Webb, and W.J. Gann. 2025. Call me a peccary or javelina but do not call me a pig. Texas Conservation Society, Georgetown, Texas.

SKILLS, JOB-RELATED TRAINING, AND CERTIFICATIONS

Statistical/Machine Learning: Proficient in R, ArcGIS, Google Earth Engine, Distance 8, JASP

Technical Skills: Microsoft products, Canvas, Blackboard, Google Products, Zotero, Endnote

Certifications: Associate Wildlife Biologist, Safe Capture Certification, SCUBA Certification, CPR Certification

Job-Related Training: S130-S190 Blended (Jan 2026), Pack Test - Moderate (Jan 2026), L-180 (Jan 2026), ICS- 100 (Jan 2026), IS-700 (Jan 2026)

ORGANIZATIONS AND LEADERSHIP

RWFM Grad Student Organization (Texas A&M)	Oct 2023-Present
<ul style="list-style-type: none"> <i>Treasurer (May 2024-Present)</i> 	
Houston Safari Club	Jun 2025-Present
The Wildlife Society	Aug 2019-Present
Texas Chapter of The Wildlife Society	Aug 2024-Present
Southwest Section of The Wildlife Society	Aug 2024-Present
Texas A&M Student Chapter of The Wildlife Society	Jan 2024-Present
South Carolina Chapter of the Wildlife Society	Aug 2019-2023
Clemson Student Chapter of the Wildlife Society	Aug 2019-2022
<ul style="list-style-type: none"> <i>President (Nov 2020-Dec 2022); Treasurer (Nov 2019- Nov 2020)</i> 	

Tigers for Tigers	Aug 2019-Dec 2022
<ul style="list-style-type: none"> • <i>President (Apr 2022-Dec 2022); Vice President (Apr 2021- Apr 2022); Service-Learning Officer (Apr 2020-Apr 2021)</i> 	
Clemson's College of Agriculture, Forestry, and Life Science Ambassador	Apr 2021-Dec 2022

AWARDS, SCHOLARSHIPS & HONORS

South Texas Quail Coalition Scholarship	Feb 2026
Texas A&M Three Minute Thesis (3MT) Competition Finalist	Nov 2025
<ul style="list-style-type: none"> • <i>2nd place in Master's category</i> 	
Houston Safari Club Foundation's Dan L Duncan Scholarship	Jun 2025
African Wildlife Medicine Course Financial Assistance	Jun 2025
Texas A&M Student Research Week Graduate Student Poster Award	Mar 2025
Texas Chapter of The Wildlife Society Photo and Art Contest	Feb 2025-2026
<ul style="list-style-type: none"> • <i>Second place (Work Related)</i> • <i>Third place (Non-Texas Wildlife, Plants, and Scenery)</i> 	
Faculty Scholarship Award	Dec 2022
Jerry W. Arp Annual Memorial Scholarship	Aug 2022
Purser Presidential Scholarship	Aug 2022
Dr. Vereen '63 Scholarship Endowment	Aug 2021, 2022
Henderson Annual Memorial Scholarship	Feb 2021
Outstanding Undergraduate Award	Aug 2021
Lehman M Bauknight Scholarship	Aug 2021