

Curriculum Vita for

Jaime L. Baxter-Slye M.S. Ph.D.
Clinical Assistant Professor for Ecology Education

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ENV 332

Visit <https://linktr.ee/baxterslye> to learn more



Notable Awards

2024 University of North Texas President's Community Award

For outstanding service that has enriched the UNT experience for the UNT community.

2024 University of North Texas Staff Teamwork Award

Recognizes cross-divisional staff work groups who collaborate outside their traditional reporting unit to meet institutional goals or needs.

2024 Maintenance Achievement Award, Texas Recreation and Parks Society

Recognizes exceptional achievements towards municipal open space management.

2023 Audubon on Campus Raven Award for Mentor of the Year

Global award that recognizes a faculty or staff member currently serving as an advisor to a campus chapter and has been a visible and integral part to the success of that chapter.

Education

2013 Ph.D. University of North Texas, Biological Sciences, Aquatic Ecology - GPA 3.78.

Relationships of benthic macroinvertebrate community structure with land-use, habitat, in-stream water chemistry, depositional sediment biofilm fatty acids, and surfactants in the effluent dominated Texas Trinity River. Dissertation. Denton, TX: University of North Texas; 2013 December. Major Advisor Dr. James H. Kennedy.

[Click here to view.](#)

2005 M.S. Texas A&M University - Kingsville, Biological Sciences, Parasitology - GPA 4.00.

Parasite assemblages of Atlantic croaker (*Micropogonias undulatus*) from two typical estuaries and a hypersaline lagoon. Thesis. Kingsville, TX: Texas A&M University - Kingsville; 2005 December.

2003 B.S. Texas A&M University - Kingsville, Biological Sciences, Marine Ecology - GPA 3.68.

Academic and Research Positions

2024 – present	Clinical Assistant Professor for Ecology Education, UNT
2017 – present	Advanced Environmental Research Institute, Scholar, UNT
2016 – present	Pecan Creek Pollinative Prairie & Diamond Eagles Community Learning Area, Primary Advisor, UNT
2014 – 2024	Instructional Laboratory Supervisor, UNT
2013 – 2024	Adjunct Lecturer, UNT
2015	Summer Advisor, UNT
2007 – 2010	Teaching Assistant, UNT
2009	Teaching Fellow, UNT
2005 – 2007	Research Assistant, UNT
2003 – 2004	Teaching Assistant, Texas A&M University – Kingsville
1998 – 2000	Ronald E. McNair Scholar, UNT

Service and Committee Positions

2025 – present	Clear Creek Natural Heritage Area, Board Member
2024 – present	UNT Sustainability Committee, Member
2024 – present	UNT Mean Green Tree Team, Advisor
2024	Bylaws Committee, TXSER
2024	UNT student chapter of The Wildlife Society, Liaison
2023 – present	Blue-Green Infrastructure Network (BGIN), Member
2023	Communications Committee, TXSER
2023 – present	City of Lewisville's Nature Center at LLELA Planning Committee
2022 – present	Texas Society for Ecological Restoration Board Member and Student Liaison
2021 – present	UNT Bird Campus Committee, Advisor
2021 – present	UNT affiliation with the National Audubon Society on Campus, Liaison
2020 – present	UNT Tree Campus Committee, Member
2017 – present	UNT student chapter of the Society for Ecological Restoration, Advisor
2016 – present	UNT Bee Campus USA Committee, Member
2014 – present	Restoration Ecologist Volunteer, Lewisville Lake Environmental Learning Area

Courses Developed and Instructed

Ecological Action Studio	◆	Insects of North America
Ecology	◆	Insects of North America Laboratory
Ecology Laboratory	◆	Introduction to Biology Recitation
Environmental Science	◆	Introduction to Biology Laboratory
Environmental Science Laboratory	◆	Animal Physiology Laboratory
Biodiversity and Conservation of Animals	◆	Marine Ichthyology Laboratory
Contemporary Biology	◆	Zoology Laboratory

Books Authored: total royalties \$30,100 applied to course enhancements.

Baxter-Slye JL. In Prep: *Field and Laboratory Methods for Ecology* 2nd ed.

Baxter-Slye JL. *Field and Laboratory Methods for Environmental Science for Non-majors* 2nd ed. Dubuque, IA: Kendall Hunt; 2022. 117p. ISBN 979-8-7657-0800-2.

Baxter-Slye JL. *Field and Laboratory Methods for Ecology* 1st ed. Dubuque, IA: Kendall Hunt; 2021. 165p. ISBN 978-1-7924-3038-1.

Baxter-Slye JL. *Field and Laboratory Methods for Environmental Science for Non-majors* 1st ed. Dubuque, IA: Kendall Hunt; 2019. 120p. ISBN 978-1-5249-9100-5.

Technical Projects Managed and/or Funded: total PI funded projects \$509,584

- 2025 – present. UNT Greenspace Crew: Undergraduate Student Workers to Maintain Campus Native Beds. **\$14,887.00.** Prime Sponsor: UNT We Mean Green Fund. Principal Investigator. CoPIs Emma Morris, Chione Lawton.
- 2025 – present. UNT Bird-Safe Bus Stop. **\$2,900.** Prime Sponsor: UNT We Mean Green Fund. Principal Investigator. CoPIs Ashley Giron, Timothy Blakelock, Jim Bednarz.
- 2025 – present. Artificial Intelligence and the Classical Entomologist: Designing Interdisciplinary Pedagogy to Revive an Essential, buy Dying Art. **\$5,000.** Prime Sponsor: UNT Learning Institute. Co-Principal Investigator. Principal Investigator Vanessa Macias, CoPIs James Junker, Oluwatosin Oluwadare
- 2025 – present. Cole Ranch: Innovative Natural Space Management and Residential/Commercial Development of Legacy Ranch Land using One Health and Blue-Green Infrastructure Approaches for Perpetual Stewardship. **\$35,000.** Prime Sponsor: Cole Ranch LP. Principal Investigator. Student lead Calvin Nering.
- 2025 – present. Old Growth Grassland Network. **\$7,000.** Prime Sponsor: Cornell University. Collection and assessment of prairie remnant soil and top organic material. Principal Investigator. Student leads Calvin Nering and Dylan Reinart.
- 2025 – present. Grand Prairie Parks and Recreation Open Space Master Plan. **\$63,144.** Prime Sponsor: City of Grand Prairie. Sponsor: Halff Associates, LLC. Undergraduate applied service to community tree and land assessments. Principal Investigator with Dr. Lauren Fischer (Co-PI) and Savannah Thomas (Supervisor).

Technical Projects: *total PI funded projects \$509,584. (continued)*

- 2025 *Not awarded.* Five Star and Urban Waters Restoration Program. National Fish and Wildlife Foundation. Invasive plant removal of the Fort Worth Botanical Garden. Project partner. PI is Seth Hamby from the Botanical Research Institute of Texas.
- 2025 *Not awarded.* Solar with Wildlife and Ecosystem Benefits 2 (SolWEB2). Office of Energy Efficiency and Renewable Energy. United States Department of Energy. Co PIs Baxter-Slye, JL., Gregory, A., D'Adrilli, J., Soulen, B., and Gaesser, B.
- 2024 *Not awarded.* Lewisville Lake Environmental Learning Area Natural Pathways Program. Texas Parks and Wildlife Cooperative. \$55,000. Undergraduate internship and staff support to build pathway program for Lewisville Independent School District with UNT Ecology for Environmental Science major mentorship. Principal Investigator. Angela Lewallen (Co-PI)
- 2024 – 2025. City of Corinth Blue-Green Infrastructure Installation. **\$30,000.** Public Works Department. Provide internships to UNT undergraduates to construct green infrastructure and education. Principal Investigator.
- 2024 – present. UNT Vulture Cam! A UNT Bird Campus Committee live camera installation at Discovery Park to document breeding Black Vultures. **\$5748** We Mean Green Fund. (members Ashley Giron, John Morrow, Isabelle Sweatt, Mack Davis, Aquilla Buchanan, and Breanna Ross). Advisor.
- 2024 – present. UNT Vulture Cam 2! A UNT Bird Campus Committee live camera installation at Discovery Park to document breeding Black Vultures. **\$5748** Audubon on Campus. (members Ashley Giron, John Morrow, Isabelle Sweatt, Mack Davis, Aquilla Buchanan, and Breanna Ross). Advisor.
- 2023 The Pond Project: Diamond Eagles and Pollinative Prairie Community Learning Area Phase III. **\$7589.08.** UNT We Mean Green Fund. Student project (members Abby Heath, Nicholas Medina, Brand Richter, and Katie Vasquez) to promote conservation of native aquatic vegetation on campus. Staff Advisor.
- 2023 Native Bee Support Initiative. **\$6770.** UNT We Mean Green Fund. Undergraduate student project (members Benjamin Copeland, Caitlin McAdoo, and Brie Poe) to raise awareness of native bees on campus, pollinator decline, and provide native bee habitat/housing on the UNT campus. Staff Advisor.
- 2023 – present. Diamond Eagles Community Learning Area. **\$77,500.** UNT Diamond Eagles Society. Construction of a pavilion, walking path, and pond dock at the UNT Pecan Creek Pollinative

Prairie for education and outreach purposes. Co-authored with the Deans of the College of Science and College of Engineering. Principal Investigator.

Technical Projects: *total PI funded projects \$509,584. (continued)*

2023 – present. Diamond Eagles Community Learning Area. **\$20,000**. UNT College of Engineering and UNT College of Science. Supplemental funds to build a pavilion, walking path, and pond dock at the UNT Pecan Creek Pollinative Prairie. Principal Investigator.

2023 – 2024. City of Lewisville Native Plant Median Installation Phase I Internship. **\$25,000** grant. City of Lewisville. Provide four internships to UNT undergraduates to construct green infrastructure and education. Principal Investigator.

City of Lewisville Parks and Recreation Extending the Green received:

- 1. 2024 Environmental Stewardship Award, DFW Directors Association*
- 2. 2024 Maintenance Achievement Award, Texas Recreation and Parks Society*
- 3. 27th Annual Texas Society for Ecological Restoration Award “Excellence in Restoration”*
- 4. 2025 National Gold Medal Award Winner for Excellence in Park and Recreation Management, the most prestigious honor in the field, presented by the American Academy for Park and Recreation Administration (AAPRA) in partnership with the National Recreation and Park Association (NRPA).*

2023. UNT Tree Canopy Restoration Project. **\$2,000** donation. Friends of LLELA and the UNT Advanced Environmental Research Institute. Staff Advisor to student project members Shannon Collins, Brand Richter, Madison Rutherford, Savannah Thomas, and Maddison Wooley. Document, map, measure, and assess of all trees located on the UNT Denton Campus.

2023. Community Science Partnership to Enhance Stormwater Adaptation under Climate Change. CIVIC for the National Science Foundation. PI Wendy Jepson Texas A&M; Jaime Baxter-Slye Clinical Researcher.

2021 – present. UNT Bird Campus Committee. **\$12,253** grant. UNT We Mean Green Fund. Staff Advisor to student project members Bee Caceres, Mellissa Connor, Brandon Meadows, Marie Muniz, and Brand Richter.

2021 – present. Pollinative Prairie Applied Community Action and Donation Fund. **\$3000** donation from either donors or residential landowners to convert non-native urban spaces into native Texas landscapes in yards. Advisor.

2020. Lewisville Lake Environmental Learning Area Plant Assessment of South of McWorter Creek Area. Principal Investigator.

Technical Projects: *total PI funded projects \$509,584. (continued)*

2020. UNT Community Garden Shed Pollinator Mural. **\$1,047** grant. UNT We Mean Green Fund. Staff Advisor to project leader Thomas Strimpel.
- 2018 – present. Pecan Creek Pollinative Prairie Phase II. **\$22,000** grant. UNT We Mean Green Fund. Principal Investigator.
- 2017 – 2019. Nest Box Monitoring using Security Cameras at LLELA and the Pollinative Prairie. Principal Investigator
- 2017 – present. Pecan Creek Pollinative Prairie Phase I. **\$156,998** grant. UNT We Mean Green Fund. Principal Investigator.
- 2016 American Kestrel Partnership and the Pollinative Prairie at Discovery Park. **\$6000** grant. UNT We Mean Green Fund. Principal Investigator.
- 2005 – 2007. Trinity River Benthic Macroinvertebrate, Land use, and Surfactant Study. University of North Texas and the American Cleaning Institute. Research Assistant. Dr. James H. Kennedy PI.
- 2005 – 2007. Assessment of Fipronil on Benthic Macroinvertebrates. University of North Texas and Bayer Crop Science. Research Assistant. Dr. James H. Kennedy PI.
2005. DFW International Airport Habitat and Macroinvertebrate Bioassessment. University of North Texas and Dallas - Fort Worth International Airport. Research Assistant. Dr. James H. Kennedy PI.

Technical Reports

Baxter-Slye JL, Sawyer, A., Chandler, M., Reinart, D., and Nering, C. *The Cole Ranch Times Newsletter*. University of North Texas and Cole Ranch LP. Bi-weekly (Sept to Dec 2025) and Monthly (2026 to present) Newsletter.

Baxter-Slye JL, Sweatt I., Dilley, J., and Thomas, S. (2026) *City of Grand Prairie Master Plan: Neighborhood Health Assessment*. University of North Texas and City of Grand Prairie Parks and Recreation.

Baxter-Slye JL, Peters, N., and Nering, C. (2024). *City of Corinth Blue-Green Infrastructure for Corinth Community Park*. University of North Texas and City of Corinth.

Lawton C., Almaguer N., Cantu J., Montanez K., **Baxter-Slye JL.**, Chastain C., Gallegos M., and Anaya S. (2023) *City of Lewisville's Big Move Extending the Green: Phase I Garden Ridge Native*

Median Conversion. University of North Texas Undergraduate Internship with City of Lewisville Parks and Recreation.

Technical Reports (*continued*)

Baxter-Slye JL and Thompson M. (2018, 2019, 2020). Yearly Reporting of Pecan Creek Pollinative Prairie Biodiversity and Environmental Education. We Mean Green Fund.

La Point TL, Kennedy JH, **Slye JL**. (2007). Analysis of Benthic Macroinvertebrate Samples Taken from an Investigation of the Toxicity of Fipronil to Sediment Dwelling Organisms in the Field. American Cleaning Institute.

Atkinson SF, Johnson DR, Kennedy JH, **Slye JL**, Venables BJ. (2007). Benthic Community Structure and Surfactants in the Trinity River. Bayer Crop Science.

Journal Peer-Reviewed Publications

Jiménez JE, Jones M, Stoddart K, Dickson S, Chapman A., **Baxter-Slye JL**, and Steigman KL. (2020). Comparative diet analysis of Barn Owl (*Tyto alba*) and Long-eared Owl (*Asio otus*) in a habitat island in north-central Texas. *Texas J. Sci.* 72: Article 5.

Slye JL, Kennedy JH, Johnson DR, Atkinson SF, Dyer SD, Ciarlo M, Stanton K, Sanderson H, Nielsen AM. (2011). Relationships between benthic macroinvertebrate community structure with geospatial, habitat, in-stream water chemistry, and surfactants in the effluent dominated Texas Trinity River. *Environ Toxicol Chem*. 30(5): 1127-1138.

Atkinson SF, Johnson DR, Venables BJ, **Slye JL**, Kennedy JH, Dyer SD, Price BB, Ciarlo M, Stanton K, Sanderson H, Nielsen A. (2009). Use of watershed factors to predict consumer surfactant risk, water quality, and habitat quality in the upper Trinity River, Texas. *Sci Tot Envir* 407: 4028-

Invited Guest Lectures, Tours, and Presentations

2025 - **Baxter-Slye JL**. *Ecological Action Studio: How to save native Texas plants and create opportunities for Ecology majors.* NPSOT, TMN, NPAT DFW-area series.

2025 – **Baxter-Slye JL**. Ecological Action Studio 2025 Updates: How we conducted a prescribed burn on an urban campus and partnered with Cole Ranch to rescue plants prior to residential development. 28th Texas Society for Ecological Restoration annual conference. San Antonio, TX.

2025– **Baxter-Slye JL**. **Expert Educator.** Introduction to Prairies.. Texas Master Naturalist, Elm Fork Chapter Annual Training.

2025 - **Baxter-Slye JL**. *Who eats who? Birds love bugs and so should you!.* Heard Museum, McKinney, TX.

Invited Guest Lectures, Tours, and Presentations (*continued*)

- 2024 – **Baxter-Slye JL** host and organizer. Native your Urban. Plenary & Panel for Texas Society for Ecological Restoration Annual meeting with TJ Gilmore, Stacie Anaya, Chris Chastain, Pat Thompson, and Jaime Gonzalez, Houston, TX.
- 2024 – **Baxter-Slye JL**. and Gilmore TJ. *Native Your Urban: How the City of Lewisville Transformed Successful Progress to Include Native Texas Blue-green Spaces Around Town*. Annual State Texas Master Naturalist meeting, San Marcos, TX. [Click here to view.](#)
- 2024 – **Baxter-Slye JL. Expert Educator**. Introduction to Entomology. Texas Master Naturalist, Elm Fork Chapter Annual Training. [Click here to view.](#)
- 2024 – **Baxter-Slye JL**. and Gilmore TJ. *Native Your Urban: How the City of Lewisville Transformed Successful Progress to Include Native Texas Blue-green Spaces Around Town*. Elm Fork Texas Master Naturalist meeting, Denton, TX. [Click here to view](#)
- 2023 – Lawton C., Almaguer N., Cantu J., Montanez K., **Baxter-Slye JL.**, Chastain C., Gallegos M., and Anaya S. *City of Lewisville's Big Move Extending the Green: Phase I Garden Ridge Native Median Conversion*. University of North Texas Undergraduate Internship with City of Lewisville Parks and Recreation. Parks Board Meeting. Lewisville, TX.
- 2023 – **Baxter-Slye JL**. *Overview of Undergraduate Opportunities for Ecology Majors including Pollinative Prairie, Bird Campus, UNT SER, and LLELA*. College of Science Board for AERI Welcome Back Event. Denton, TX.
- 2023 – **Baxter-Slye JL**. and Freiheit R. Tour of Barn Owl Ridge at the Lewisville Lake Environmental Learning Area for the Native Prairies Association of Texas. Proceeds towards Friends of LLELA. Lewisville, TX.
- 2022 – **Baxter-Slye JL**. *The Pollinative Prairie: How Undergraduates Reconstructed a Texas Prairie and You Can Too*. Spring Creek Preserve. Garland, TX.
- 2022 – **Baxter-Slye JL**. *Overview of Undergraduate Opportunities for Ecology Majors including Pollinative Prairie, Bird Campus, UNT SER, and LLELA*. Advanced Environmental Research Institute Board Meeting. Denton, TX.
- 2021 – **Baxter-Slye JL**. *Let's Show the World the Biodiversity of LLELA...Again! iNaturalist City Nature Challenge*. Friends of LLELA. Lewisville, TX.
- 2020 – **Baxter-Slye JL**. *Introducing the Pecan Creek Pollinative Prairie: An Urban North Central Texas Tallgrass Prairie Reconstruction as an Educational Tool*. Trinity Chapter of the Native Plant Society of Texas. Denton, TX.

Societies and Positions

2024 – present	UNT student chapter of The Wildlife Society, Staff Liaison
2022 – present	Texas chapter of the Society for Ecological Restoration, Board Member
2022 – present	Southwestern Association of Naturalists, member
2020 – present	Trinity Forks Native Plant Society, member
2017 – present	Society for Ecological Restoration, member
2017 – present	UNT chapter of the Society for Ecological Restoration, Staff Advisor
2008	UNT Silvey Society, Founding Member
2007 – 2008	Southwestern Association of Naturalists, student member
2007	UNT Society of Environmental Toxicology and Chemistry. President.
2006	North American Benthological Society, student member
2005 – 2011	Society of Environmental Toxicology and Chemistry, student member
2003 – 2004	Southwestern Association of Parasitologists, student member

Affiliations

2023 – present	Certified Wildlife Habitat, UNT Parking Lot Preserve, National Wildlife Federation
2023 – present	Certified Wildlife Habitat, UNT Pecan Creek Pollinative Prairie, National Wildlife Federation
2021 – present	UNT Audubon on Campus Chapter, National Audubon Society
2016 – present	Texan by Nature Project Certification for the Pecan Creek Pollinative Prairie. https://texanbynature.org/projects/unt-pollinative-prairie/
2016 – present	American Kestrel Project Partner for the UNT Ecology AKP Nest Boxes
2016 – present	UNT Bee Campus USA Partner for the Pecan Creek Pollinative Prairie
2016 – present	XERCES Society Million Pollinator Challenge for the Pecan Creek Pollinative Prairie
2016 – present	Monarch Watch Waystation Registration for the Pecan Creek Pollinative Prairie Monarch Tagging Program

Scholarships

- Slye, J. John F. Sinclair Scholarship, Department of Biology Texas A&M Kingsville, \$500
Slye, J. Bogusch Memorial Scholarship, Department of Biology Texas A&M Kingsville, \$1000
Slye, J. 1998 – 2000. Ronald E. McNair Post-Baccalaureate Scholar, monthly stipend

Virtual Educational Material and Community Networks

StoryMaps

[University of North Texas Ecology Laboratory Story Map. Click here and log into SSO 'unorthtexas'.](#)

[Click here to view The Pecan Creek Pollinative Prairie. Savannah Thomas and Jaime Baxter-Slye.](#)

Websites

[UNT Pollinative Prairie](#)

[UNT Bird Campus Committee](#)

[Extending the Green.](#) City of Lewisville Extending the Green Phase I. Chione Lawton, Nathaniel Almaguer, Karla Montanez, Jonothon Cantu, and Jaime Baxter-Slye

Baxter-Slye iNaturalist. Over 15,842 observations that document over 2,500 taxa. Over 27,000 identifications and includes student projects. <https://www.inaturalist.org/people/301957>

University of North Texas SER and Ecology Lab Student Impact iNaturalist. Almost 100,000 observations that document over 7,300 taxa across the globe.

<https://www.inaturalist.org/projects/university-of-north-texas-ser-and-ecology-lab-student-impact>

[eBird Discovery Park's Pollinative Prairie.](#)

Social Media, co-managed

UNT Pollinative Prairie [Facebook](#) and [Instagram](#)

UNT Mean Green Tree Team [Instagram](#)

UNT Bird Campus [Instagram](#)

UNT Society for Ecological Restoration [Facebook](#) and [Instagram](#)

UNT Ecology [Facebook](#)

Texas chapter of the Society for Ecological Restoration (primary manager 2023 – present)
[Facebook](#) and [Instagram](#); [Website](#)

Conference Presentations and Posters (*undergraduate research)

*Nering, C., Reinart, D., **Baxter-Slye, J.L.** (2025). Application of Remnant Prairie Soil Inoculant in Restoration of Damaged Landscapes through Native Texas Grasses. Undergraduate oral presentation. 28th Texas Society for Ecological Restoration annual conference. San Antonio, TX. ***1st Place Undergraduate Presentation Award***

*Giron, A., Poplin, B., Muniz, M., **Baxter-Slye, J.L.**, Bednarz, J.C. (2025). Bird-safe is not just pro-bird: Assessing avian mortalities and solutions on the University of North Texas campus. Undergraduate oral presentation. 28th Texas Society for Ecological Restoration annual conference. San Antonio, TX. ***2nd Place Undergraduate Presentation Award***

*Davis, E., Capetillo, R., Finley, C., **Baxter-Slye, J.L.**, Kieshnick, S. (2025). Public engagement and taxa observation through blacklighting events. Undergraduate poster presentation. 28th Texas Society for Ecological Restoration annual conference. San Antonio, TX.

*Morris, E., Sawyer, A., Chandler, M., Emma Morris, Kimpton, C., **Baxter-Slye, J.L.** (2025). The impact of native landscaping beds on the University of North Texas campus. Undergraduate poster presentation. 28th Texas Society for Ecological Restoration annual conference. San Antonio, TX.

*Rutherford, M., Hudak, P., **Baxter-Slye, J.L.** (2025). Blue-green infrastructure in urban settings: two case studies of urban retention ponds in Denton County, Texas. Graduate poster presentation. 28th Texas Society for Ecological Restoration annual conference. San Antonio, TX.

*Sanchez, S., Cindulla, M., Kroen, K., Thompson, M., **Baxter-Slye, J.L.** (2025). Biodiversity of the UNT Pollinative Prairie and Diamond Eagles Community Learning Area: observational data of a 20-acre restoration project on an urban university campus. Undergraduate poster presentation. 28th Texas Society for Ecological Restoration annual conference. San Antonio, TX.

*Dilley, J., Sweatt, I., Reinart, D., Nering, C., Thomas, S., Fischer, L., **Baxter-Slye, J.L.** (2025). Identifying urban ecological restoration and park access opportunities for the City of Grand Prairie Parks, Recreation, and Open Space Master Plan. Undergraduate poster presentation. 28th Texas Society for Ecological Restoration annual conference. San Antonio, TX.

*Reinart, D., Nering, C., Lawton, C., Thompson, M., Belcher, B., Crawford, K., and **Baxter-Slye, J.L.** (2024). Using Arbuscular Mycorrhizal Fungi (AMF) to Improve Establishment of Prairie Grasses in an Urban Reconstructed Prairie Habitat. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Houston, TX. ***Best Undergraduate Poster Award***

Conference Presentations and Posters (*undergraduate research) (continued)

*Giron, A., Bednarz, J., and **Baxter-Slye, JL.** (2024). Assessing Cardinal Direction of Avian Window Strikes on the University of North Texas Campus. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Houston, TX.

*Rutherford, M., Nering, C., Peters, N., Koehler, H., Barker, G., and **Baxter-Slye, JL.** (2024). Native your Urban: Blue-green Infrastructure Using Native Texas Prairie and Aquatic Plants at the City of Corinth Community Park in the Sandy Eastern Cross Timbers Ecoregion. Graduate and undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Houston, TX.

*Rhodes, R., Dilley, J., Sweatt, I., Duvall, J., Morris, E., Balderas, I., Richter, B., Thomas, S., and **Baxter-Slye, JL.** (2024). Introducing the ‘Mean Green Tree Team’: Active Canopy Assessment of the University of North Texas Campus and Local DFW Partners. Graduate and undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Houston, TX.

*Lawton, C., McGee, M., Kharrat, Z., and **Baxter-Slye, JL.** (2024). Islands in a Sea of Urbanization – Creating Effective Protocols for the Reintroduction of Plant Natives in the City of Denton Using Reduced Mowing Plots. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Houston, TX.

*Poe, B., Copeland, B., McAdoo, C., and **Baxter-Slye, JL.** (2024). Native Bee Support Initiative: An Assessment and Native Pollinator Support Plan for an Urban Campus. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Houston, TX. ***Best Undergraduate Poster Award***

*Kroen, K., Brown, D., Duvall, J., Mann, B., and **Baxter-Slye, JL.** (2024). Biodiversity of the UNT Pollinative Prairie and Diamond Eagles Community Learning Area: observational data of a 20-acre restoration project on an urban university campus. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Houston, TX.

*Sweatt, I., Davis, M., Giron, A., Banks, B., and **Baxter-Slye, JL.** (2024). Introducing the University of North Texas Vulture Cam!: live-stream camera monitoring of a long-term Black Vulture (*Coragyps atratus*) nesting site at the Discovery Park complex. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Houston, TX.

Conference Presentations and Posters (*undergraduate research) (continued)

*Heath, A., McKinnis, A., Nichols, S., Martinez, J., and **Baxter-Slye, JL.** (2024). Pathways of Success for the University of North Texas Student Chapter of the Society for Ecological Restoration. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Houston, TX.

*Land, E., Daniels, H., Freiheit, R., Compson, Z., and **Baxter-Slye, JL.** (2024). Plant Assessment of Two Reconstructed Prairie Areas at the Lewisville Lake Environmental Learning Area to Elucidate Painted Bunting Food Resources. Undergraduate Research Fellowship, University of North Texas.

*Medina N., Creswell K., Martinez J., McKinnis A., Rutherford M., Thompson M., and **Baxter-Slye JL.** (2023). Biodiversity of the Diamond Eagles Community and Learning Area: observational data of a 20-acre restoration project on an urban university campus. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, El Paso, TX.

*Almaguer N., Cantu J., Lawton C., Montanez K., **Baxter-Slye JL.**, Chastain C., Gallegos M., and Anaya S. (2023) City of Lewisville's Big Move Extending the Green: Phase I Garden Ridge Native Median Conversion. Undergraduate oral presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, El Paso, TX.

*Heath A., Nering C., Nichols S., Rutherford M., and **Baxter-Slye JL.** Organization, Engagement, and Impact of the University for North Texas Student Chapter of the Society for Ecological Restoration 2017 – 2023. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, El Paso, TX.

Best Undergraduate Poster Award

*Richter B., Thomas S., Rutherford M., Heath A., Wooley, M., and **Baxter-Slye, J.** (2023). University of North Texas Tree Inventory and Canopy Assessment: An Applied Student Research Project. Undergraduate oral presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, El Paso, TX.

Best Undergraduate Oral Presentation Award

*Morrow J., Connor M., Richter B., Heath A., Bednarz J., and **Baxter-Slye JL.** (2023) The University of North Texas Bird Campus Committee: Student-Led Avian Conservation and Education Initiatives on Campus. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, El Paso, TX.

Conference Presentations and Posters (*undergraduate research) (continued)

*Meadows B., Connor M., Morrow J., Muniz M., Richter B., Bednarz J., and **Baxter-Slye JL.** (2023).

The University of North Texas Bird Campus Committee: Student-led Avian Conservation and Education Initiatives on Campus. 2023 Texas Regional Alliance for Campus Sustainability Summit (TRACS), College Station, TX.

*Heath A., Nering C., Ashman J., Rutherford M., and **Baxter-Slye JL.** (2023). Organization, Engagement, and Impact of the University of North Texas Student Chapter of the Society for Ecological Restoration. 2023 Texas Regional Alliance for Campus Sustainability Summit (TRACS), College Station, TX.

*Lewis E., Morris V., Gantt G., Meliane M., Rhodes R., and **Baxter-Slye JL.** (2023). The UNT SER Greenhouse Crew: Primary Producers for the Pollinative Prairie. 2023 Texas Regional Alliance for Campus Sustainability Summit (TRACS), College Station, TX.

*Richter B., Rutherford M., Thomas S., Collins S., Wooley M., and **Baxter-Slye JL.** (2023). University of North Texas Tree Inventory Project: An Applied Student Research Prospectus. (2023) 2023 Texas Regional Alliance for Campus Sustainability Summit (TRACS), College Station, TX.

*Rutherford M., Lawton C., Lawler A., Medina N., Eastland I., and **Baxter-Slye JL.** (2023). Biodiversity of the Pecan Creek Pollinative Prairie: Observational Data of a Reconstructed Prairie on the Urban University of North Texas Campus as an Undergraduate Educational Resource. (2023). 2023 Texas Regional Alliance for Campus Sustainability Summit (TRACS), College Station, TX.

*Muniz M., **Baxter-Slye JL.**, and Bednarz J. (2023). Monitoring Bird-Window Strikes on the University of North Texas Campus. (2023). 2023 Texas Regional Alliance for Campus Sustainability Summit (TRACS), College Station, TX.

*Daniels H., Freiheit R., Kieschnick S., and **Baxter-Slye JL.** (2022). Assessing Restoration Events at Lewisville Lake Environmental Learning Area by Using Community Science and BioBlitzes. Undergraduate poster presentation, Southwestern Association of Naturalists Annual Meeting, virtual.

Conference Presentations and Posters (*undergraduate research) (continued)

*Vivanco-Gutierrez J., Ashman J., Freiheit R., Kieschnick S., and **Baxter-Slye JL.** (2022) The Lewisville Lake Environmental Learning Area (LLELA) McWhorter Creek South Prairie Restoration: How to Pivot During a Global Pandemic. Undergraduate poster presentation. Southwestern Association of Naturalists Annual Meeting, virtual.

*Eastland I., Heath A., Ashman J., and **Baxter-Slye JL.** (2022). Organization, Engagement, and Impact of the University for North Texas Student Chapter of the Society for Ecological Restoration. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Austin, TX.

*Meadows B., Connor M., Eastland I., Morrow J., Muniz M., Richter B., Bednarz J., and **Baxter-Slye JL.** (2022). The University of North Texas Bird Campus Committee: Student-Led Avian Conservation and Education Initiatives On Campus. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Austin, TX.

*Morris V., Lewis E., Arnett B., and **Baxter-Slye JL.** (2022). The UNT SER Greenhouse Crew: Primary Producers for the Pollinative Prairie. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Austin, TX.

*Muniz M., **Baxter-Slye JL.**, and Bednarz J. (2022). Monitoring Bird-Window Strikes on the University of North Texas Campus. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Austin, TX.

*Rutherford M., Lawton C., Lawler A., Medina N., Eastland I., Pedraza D., and **Baxter-Slye JL.** (2022). Biodiversity of the Pecan Creek Pollinative Prairie: a classification of observational data (2016-2022) of a reconstructed native prairie on the urban University of North Texas campus as an undergraduate educational resource. Undergraduate poster presentation, Texas Chapter of The Society for Ecological Restoration Annual Meeting, Austin, TX.

*Vivanco-Gutierrez J., Ashman J., Freiheit R., Kieschnick S., and **Baxter-Slye JL.** (2021) The Lewisville Lake Environmental Learning Area (LLELA) McWhorter Creek South

Prairie Restoration: How to Pivot During a Global Pandemic. Undergraduate oral presentation, Texas Master Naturalist Annual Meeting. Irving, TX.

Conference Presentations and Posters (*undergraduate research) (continued)

*Thomas S., **Baxter-Slye JL.**, Palacios P. (2020). The Pecan Creek Pollinative Prairie Storymap. Presented at the Dallas GIS Day. November 17, 2020.

*Molina C., Thomas S., and **Baxter-Slye JL.** (2020). Overview of the University of North Texas Pecan Creek Pollinative Prairie: an undergraduate education experience aiming to reconstruct a native, north central Texas prairie in an urban setting. Texas Plant Conservation Conference hosted by the Botanical Research Institute of Texas, Restoration Session, Presentation, Virtual meeting Fort Worth, TX.

Best Undergraduate Presentation Award

*Gilbert Z., Nick C., and **Baxter-Slye JL.** (2020). Biodiversity of the Pecan Creek Pollinative Prairie: a classification of observational data (2016-2020) of a reconstructed native prairie on the urban University of North Texas campus as an undergraduate educational resource. Texas Plant Conservation Conference hosted by the Botanical Research Institute of Texas, Floristics Session, Poster, Virtual meeting Fort Worth, Texas, August 13 -14, 2020.

*Jones M., **Baxter-Slye JL.**, Steigman K., and Jimenez J. (2017). Comparative Diet Analysis of Barn Owl (*Tyto Alba*) And Long Eared-Owl (*Asio otus*) in A Blackland Prairie in North-Central Texas. Texas Society for Ecological Restoration, Poster, November 2017.

Best Undergraduate Poster Award

*Riley B., Landers A., Garrett T., Melton A., Bailey J., and **Baxter-Slye JL.** (2017). Introducing the Pecan Creek Pollinative Prairie: an undergraduate education experience that aims to reconstruct a native, North Central Texas Tall Grass Prairie in an urban setting to promote urban plant and pollinating insect biodiversity. Texas Society for Ecological Restoration, Poster, November 2017.

*Witt D., Melton A., Smith C., Potter G., and **Baxter-Slye JL.** (2017). Establishment of American Kestrel (Aves: Falconidae: *Falco sparverius*) nest boxes in North Central Texas to understand population decline, promote conservation, and to be used in undergraduate ecological field curriculum. Texas Society for Ecological Restoration, Poster, November 2017.

Baxter-Slye JL. Dissertation and thesis research presented at:

Society of Toxicology and Chemistry, Poster Presentation, 2005, 2006, 2007, 2008
Southwestern Association of Naturalists, Oral presentation, 2007, 2008
North American Benthological Society, Poster presentation, 2006
Society of Toxicology and Chemistry South Central Chapter Meeting, Poster Presentation, 2006, 2007
Graduate Research Day, University of North Texas, Poster Presentation, 2006, 2007, 2008

Journalistic Coverage of Work

Breeding-Gonzales, L. 2025. [Denton's officially certified as a Bird City Texas, with a boost from Clear Creek and UNT.](#) Denton Record Chronicle.

McPhate, C. 2025. [Denton Neighbors and Leaders Inch Closer to a Shared Dream: a State Park at Denton's Hartlee Field.](#) Denton Record Chronicle.

Tinajero, E. 2024. [We Mean Green: A look at UNT's conservation efforts.](#) Denton Record Chronicle.

Audubon. 2024. [Audubon 2023 Awards for Outstanding Partners, Mentors, and Chapter Leaders.](#)

Morrison, A. 2023. [Lewisville's Pollinative Prairie Program: Creating a thriving habitat for bees, butterflies, and birds.](#) Lewisville Leader.

Smith, M. 2023. [Saving Jackrabbits in Denton. GreenSource DFW.](#)

Giving to UNT. 2023. [Diamond Eagles Community Learning Area](#)

Case D. 2023. [New funding to help grow UNT's Pollinative Prairie.](#) UNT News

Voice of Denton. 2023. [Diamond Eagles Society Fuels Expansion of UNT's Pecan Creek Pollinative Prairie.](#)

UNT Geography Department. 2023. [Student Activities and Highlights](#)

Garnand I. 2021. [Students' bird strike research ties into national conservation efforts.](#) North Texas Daily.

Salas-Vega S. 2021. [New UNT partnership aimed at bird-lovers.](#) Denton Record Chronicle.

Noel H. 2021. [UNT Society for Ecological Restoration chapter joins National Audubon Society program.](#) UNT News.

Cantrell R. 2021. [Audubon begins partnership with university ecology research chapter.](#)

Journalistic Coverage of Work (continued)

Reid M. 2021 [The Many Tails of UNT's Lucky the Squirrel.](#) Interview. Denton Record Chronicle

Fort Worth Botanic Garden. 2020. [Learning to Bee a Pollinator Supporter at the Pecan Creek Pollinative Prairie.](#) Phytophilosophy Blog, Where Are They Now?

Capponi L. 2020. [Members in Action: University of North Texas Student Association.](#) Society for Ecological Restoration: Latest News.

Dallas Regional Chamber. [Bringing back Texas.](#) 2020 Higher Education Review Magazine.

Dickstein B. 2019. [UNT's Pollinative Prairie has become a reality.](#) Featured Front Page Article. Denton Record Chronicle.

Voorhees S. 2019. [UNT Researchers Work to Preserve Texas Prairies.](#) Television and Website News Report. NBC DFW Channel 5.

Jackson A. 2017. [UNT students and professors break ground on the 'Pollinative' prairie.](#) Featured Front Page Article. North Texas Daily.

Denton County Texas Master Gardener Association, [Gardens and Trails.](#)

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