



# Kaitlyn T. Justice

## EDUCATION

BS, Natural Resource Ecology & Management, Oklahoma State University, 2024

## PROFESSIONAL ACTIVITIES AND TRAINING

Responsible Conduct of Research (RCR) Training

## MEMBERSHIPS

Native American Fish and Wildlife Society

The Wildlife Society

## FIELDS OF EXPERIENCE

Ms. Justice is a field biologist at JDC Archaeology, LLC., a DBE and Cherokee Nation TERO certified firm established in February 2016. She has over five years of experience in biological sampling and field surveys, with more recent work focused on habitat suitability assessments, population sustainability evaluations, and long-term monitoring programs. Her experience includes collaborations with a range of federal and state agencies, such as the U.S. Fish and Wildlife Service, Environmental Protection Agency, Oklahoma Department of Wildlife Conservation, National Park Service, United States Geological Survey, and Tribal Nations. In addition to her professional work, she also volunteers with conservation organizations in Oklahoma, contributing to outreach and education efforts that promote native plant conservation and sustainable land stewardship practices.

## EMPLOYMENT HISTORY

2026 – Present, Field Biologist, JDC Archaeology (Joe Deere Consulting LLC), Catoosa, OK

2025, Environmental Specialist I, Cherokee Nation Environmental Programs, Tahlequah, OK

2022 – 2025, Field Technician/ Undergraduate Researcher, Oklahoma State University, Stillwater, OK

2022 – 2023, Intern, Oklahoma Conservation Commission, Bristow, OK

2018 – 2022, Volunteer, Blue Thumb, Tulsa, OK

## SELECTED RECENT PROJECT EXPERIENCE –

***Population viability and post-release monitoring of translocated *Cynomys ludovicianus* in Wichita Mountains Wildlife Refuge March 2024 – December 2025.*** Served as a Researcher and First Author in charge of conducting field surveys, trapping, tagging, and translocating subjects to the study site. Collected and analyzed data. Wrote reports and manuscripts in coordination with partner agencies. Used long-term monitoring surveys evaluate survival, population viability, and the potential for future translocation attempts.

***Establishing drivers of decline and habitat suitability for *Cynomys ludovicianus* in Wichita Mountains Wildlife Refuge January 2022 – December 2025.*** Served as a Researcher in charge of biological sampling and data collection to establish the cause of decline in *Cynomys ludovicianus* in Western Oklahoma. Wrote reports and reviewed historical data provided by the Refuge. Provided the findings to partner agencies and collaborated on finding potential solutions. Management methods were established, and habitat suitability was monitored through the duration of the project.



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***Water quality surveys and data collection in Northeast, Southeast, and Central Oklahoma streams 2022-2023*** Performed biological, chemical, and physical sampling in aquatic systems. Conducted field surveys and wrote reports in accordance with the Environmental Protection Agency protocols.

***Water quality monitoring, sampling, and collection at Crow Creek 2018-2022.*** Conducted biological sampling, stream surveying, and faunal collections in accordance with agency protocol.

### PRESENTATIONS AND PUBLICATIONS

**Tucker, K.**, Fallon, C., Kirchgessner, M., Longsinger, R., McDonald, D., Buehler, L., Henning, J., Duchardt, C. Drivers of Decline and Strategies for Reintroduction of Black-Tailed Prairie Dogs: A Case Study on Eastern Edge Range. *Journal of Fish and Wildlife*. **(In Review)**

**Tucker, K.** and Duchardt C. Causes of Decline and Translocation Efficacy for Black-Tailed Prairie Dogs: A Case Study on Eastern Range Edge. Oklahoma State University Undergraduate Symposium (Poster presentation). April 2024

**Tucker, K.**, Kundak, M., and Duchardt, C. CSI Wichitas: Prairie dog declines in an Oklahoma National Wildlife Refuge. Oklahoma State University Undergraduate Symposium (Poster presentation). April 2023