



DR. KERRY GRIFFIS-KYLE

Associate Professor,
Natural Resources Management

*Climate change and land use change are having catastrophic impacts on **wildlife** and the resources they use, especially **water**. I provide threat assessments, planning resources, and site analyses to assist with natural resources management, especially focused on **wetlands** and **wildlife**.*

RESEARCH EXPERTISE

- Wildlife management
- Wetland ecology
- Ecology of arid and semi-arid lands
- Climate vulnerability
- Taxa: amphibians, reptiles, mammals, birds, invertebrates

PROFESSIONAL PREPARATION

- B.S. University of Florida, 1995
- M.S. Northern Arizona University, 1999
- Ph.D. Syracuse University, 2005

FAVORITE ARTICLE

Gary, D. M., Mougey, K., McIntyre, N. E., Griffis-Kyle, K.L. (2022). Species as conservation umbrellas: a case study with lesser prairie-chicken (*Tympanuchus pallidicinctus*) in the southern Great Plains of North America. *Global Ecology and Conservation*, 38(e02256). <https://doi.org/10.1016/j.gecco.2022.e02256>

Cross-disciplinary approaches are necessary for addressing the complex problems that we are facing in natural resources management. My most recent favorite paper used landscape ecology, quantification of biodiversity, and data from existing literature to quantify the impacts of management for lesser prairie chicken conservation (species that is now listed under the Endangered Species Act), on other co-occurring at-risk species. The reason it is one of my favorite papers is that this is a way that we can estimate the payoff ahead of time for management actions take for one species against a whole suite of other species, we can calculate the benefit of each of those treatments and then decide which actions to take to give the largest conservation payoff.

WHAT MAKES THE DAVIS COLLEGE GREAT?

One of the things I most appreciate about the Davis College is that we are a community of highly trained professionals that focuses on solutions. We work directly with stakeholders - agencies, private landowners, and industry - to provide information and solutions to complex problems.