KERRIE ANNE THERESE LOYD

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Dedicated and passionate teacher and field biologist

Experience

Arizona State University | Tempe, AZ
Associate Teaching Professor
08/2025 – present

Leading ASU Online courses for the School of Life Sciences: BIO 100 The Living World, BIO 181 & 182 General Biology, BIO 322 Conservation of Biodiversity, BIO 321 Ecology Lab, BIO 320 Ecology, BIO 304 Plants & Civilization, Mentoring students, IDEAS student society

Arizona State University | Lake Havasu City, AZ
Associate Teaching Professor
08/2012 – 05/2025

Teaching (Lecture and Labs): BIO 100 The Living World
BIO 182 General Biology II, BIO 320 Ecology, BIO 370 Vertebrate Zoology
BIO 331 Animal Behavior, ENV 210 and BIO 130 Environmental Science,
PLB 310 Flora of Arizona, EED 411 Science in Elementary Classrooms
Conservation Biology: Study Abroad in Ecuador and the Galapagos
Mentored undergraduate biology and environmental science research
Research contributions: Habitat characterization, nest success and juvenile dispersal of urban/suburban burrowing owls in Lake Havasu, secondary poisoning of urban raptors in Lake Havasu City, University of Georgia & National Geographic KittyCams II - colony cats on Jekyll Island, Georgia

University Of Georgia | Athens, GA
Teaching and Research Assistant
08/2007 - 07/2012

Teaching contributions: TA Natural Resources and Society, Vertebrate Natural History, Techniques for Wildlife Sampling, Ecotourism,
Natural History of Africa, Study Abroad in Tanzania, African Studies Institute
Research contributions: Survey development, data analyses and interpretation for human dimensions of wildlife management research, estimating abundance of feral domestic cats, assisting with wildlife disease research (sampling songbirds and meso-mammals for *Salmonella*), dissertation research using animal-borne point of view video cameras to investigate domestic cat interactions with wildlife and risk behaviors while roaming (KittyCams)

Stone Mountain Memorial Assoc., Stone Mountain Park, GA
Environmental Specialist
05/2000 - 07/2007

Directed all aspects of K-12 and teacher environmental education programming and facility, developed science education materials and exhibits, supervised natural district conservation and management

Education

University of Georgia | Athens, GA
Ph.D. in Natural Resource Management
08/2012

University of Georgia | Athens, GA
Master of Arts in Science Education
05/2004

Virginia Tech | Blacksburg, VA
Bachelor of Science in Wildlife Science Minors in Environmental Science & Biology
05/2000 Magna cum laude

Publications

Loyd, K.T. Revision in review. Burrowing owl breeding activity in a desert city landscape: Emerging patterns after a decade of monitoring in Northwestern Arizona. *Journal of Raptor Research*

Lepczyk, C.A., D.C. Duffy, D. M. Bird, M. Calver, D. Cherkassky, L. Cherkassky, C. R. Dickman, D. Hunter, D. Jessup, L. Longcore, S. R. Loss, **K. T. Loyd,** P. P. Marra, J. M. Marzluff, R. F. Noss, D. Simberloff, G. C. Sizemore, S. A. Temple, Y. van Heezik. 2022. A Science-based Policy for Managing Free-roaming Cats. *Biological Invasions* 24.

Loyd, K.T. and R. T. Watkins. 2019. Habitat characteristics and nesting success of the Western Burrowing Owl in a suburban desert landscape. *Arizona Birds* Journal of the Arizona Field Ornithologists (1).

S.M. Hernandez, **K.T. Loyd**, A.N. Newton, B.L. Carswell and K.J. Abernathy. 2018. The use of point-of-view cameras (Kittycams) to quantify predation by colony cats (*Felis catus*) on wildlife. *Wildlife Research* 45(4).

Loyd, K.T. and S.M. Hernandez. 2018. "The Feral Cat Dilemma". Chapter in *Fowler's Zoo and Wildlife Medicine Vol. 9*, eds: Miller, R.E., P.P. Calle, and N. Lamberski. Elsevier, Philadelphia, PA.

S.M. Hernandez, **K.T. Loyd**, A.N. Newton, B. L. Carswell and K.J. Abernathy. 2018. Activity patterns and interspecific interactions of free-roaming, domestic cats in managed Trap-Neuter-Return colonies. *Applied Animal Behavior Science* 202.

Justice-Allen, A. and **K.T. Loyd.** 2017. Mortality of Western Burrowing Owls (*Athene cunicularia hypugaea*) associated with brodifacoum exposure. *Journal of Wildlife Diseases* 53(1).

Loyd, K.T., S.M. Hernandez and D. L. McRuer. 2017. The role of domestic cats in the admission of injured wildlife to rescue and rehabilitation centers. *The Wildlife Society Bulletin 41(1).*

Loyd, K.T., S.M. Hernandez, B.C. Shock, G.J. Marshall, and K.J. Abernathy. 2013. Risk factors experienced by free-roaming cats in a suburban, southeastern town. *Veterinary Record* 173.

Loyd, K.T., S.M. Hernandez, J.P. Carroll, G.J. Marshall, and K. J. Abernathy. 2013. Quantifying free-roaming domestic cat predation using animal-borne cameras. *Biological Conservation* 160.

Lepczyk, C.A., S. Conant, D. Duffy, D.M. Bird, M. Calver, F.P. Duval, M. Hutchins, C.A. Lohr, **K.T. Loyd**, P.P. Marra, and W.C. Pitt. 2013. Feral cat management: Response to "Estimation of effectiveness of three methods of feral cat population control by use of a simulation model" *Journal of the American Veterinary Medical Association* 243(10).

Loyd, K.T., S.M. Hernandez, G.J. Marshall, K. J. Abernathy and B.J. Foster. 2012. Kitty Cams: using new technology to study free-roaming cats. *The Wildlife Professional*. Summer Issue.

Cooper, C.B., **K.T. Loyd**, T. Murante, M.S. Savoca and J. Dickenson. 2012. Natural history traits associated with detecting mortality within residential bird communities. *The Journal of Env. Management* 49(6).

Loyd, K.T. and S.M. Hernandez. 2012. Public perceptions of domestic cats and preferences for feral cat management in Athens-Clarke County, Georgia. *Anthrozoos* 25(3).

Miller, C.A. and **K.T. Loyd**. 2012. Public attitudes toward predators and predator management in North America. In *Management of Large Mammalian Carnivores in North America*, J. Peek, ed. Technical Review Report, The Wildlife Society.

Loyd, K.T and J.L. DeVore. 2010. An evaluation of feral cat management options using a decision analysis network. *Ecology and Society* 15(4).

Loyd, K.T. and C.A. Miller. 2010. Influence of demographics, experience, and value orientations on preferences for lethal management of feral cats among Illinois homeowners. *Human Dimensions of Wildlife* 15(4).

Loyd, K.T. and C.A. Miller. 2010. Factors related to preferences for Trap-Neuter-Return management of feral cats among Illinois homeowners. *The Journal of Wildlife Management* 74(1).

Loyd, K.T. 2004. Outdoor science field trips: Invaluable or ineffective? M.A. Thesis, University of Georgia. Malcolm B. Butler, Major Professor.

Accomplishments

GRANTS
2017 Principal Investigator, $1000 Gale Monson Memorial Research Grant from Arizona Field Ornithologists "Movement, behavior and conservation of Western burrowing owls in a suburban desert landscape"
2015 Principal Investigator, $15,950 grant from Arizona Game and Fish Department "The urban owl campaign: Reducing secondary poisoning through community education"
2013 Key Personnel and co-author on $55,200 grant from the American Society for the Prevention of Cruelty to Animals "Using animal-borne video cameras to assess the impact of a managed colony of feral cats on a focal species of migratory songbird"
2013 Key Personnel and co-author on $10,000 research grant from the American Bird Conservancy "Using animal-borne video cameras to assess the impact of a managed colony of feral cats on a focal species of migratory songbird"
2010 Oconee Rivers Audubon Society Conservation Grant (for dissertation research)
2010 National Institute for Mathematical and Biological Synthesis Short-term Visitor Grant
2010 Key Personnel and co-author on grant from the Kenneth Scott Charitable Trust (for dissertation research)

AWARDS AND HONORS
2023 ASU Professor of Impact Awards (students)
2012 Ecological Society of America Urban Ecosystems and Ecology Section travel award
2012 University of Georgia doctoral travel award
2012 University of Georgia E.L. Cheatum Award for achievement and leadership in wildlife
2011-2012 University of Georgia Dissertation Completion Award
2010-2011 Warnell School of Forestry and Natural Resources Martha Love May Scholarship
2010 Morris Animal Foundation Summer Research Scholarship
2007-2010 Warnell School of Forestry and Natural Resources Graduate Assistantship

CERTIFICATES
2026 Certified Peer Observer, School of Life Sciences, ASU
2025 Engaging Learning and Excellence in Virtual Teaching Online, Arizona State University School of Life Sciences
2010 Graduate Certificate in Conservation Biology and Sustainable Development,
Odum School of Ecology, The University of Georgia

Service

2022-2025 Kids on the Colorado River environmental education event organizer and instructor
2021-2025 Delta Kappa Gamma International Society for Women Educators, Alpha Chi chapter service
2018-2025 ASU Lake Havasu peer evaluation and promotions committee
2018-2024 Board member and co-chair of scientific programming, Arizona Field Ornithologists
2020-2023 Recording Secretary, Arizona Field Ornithologists
2016-2023 National Association of Biology Teachers Outstanding Biology Teacher Award Committee
2014-2025 Faculty Advisor, Outdoor Pursuits and ECO Club student organizations
Peer Reviewer: Journal of Wildlife Management, Human Dimensions of Wildlife,
Conservation Letters, Biological Conservation, The Wildlife Society Bulletin, Urban Ecosystems, Applied Animal Welfare Science, New Zealand Veterinary Journal, PlosONE, Journal of Applied Ecology, Ecology and Evolution, Environmental Reviews, Journal of Raptor Research, Anthrozoos, New Zealand Journal of Ecology, Science of the Total Environment, Arizona Birds, Animal Biology
2007- 2011 Co-founder and Treasurer, The Georgia Chapter of the Society for Conservation Biology
2007 Co-Chair, The Outdoor Classroom Symposium, Atlanta, Georgia

2004-2007 Board Member, The Outdoor Classroom Council, Georgia Env. Education Alliance

Presentations & Select Public Media

Loyd, K.T. Sept 2024. "Lake Havasu City as an Oasis for Burrowing Owls: Emerging patterns after 10 years of monitoring". Arizona Field Ornithologists & Western Bird Banding Assoc. Joint Annual Meeting. Tucson, AZ.
Loyd, K.T. Feb 2023. "Urban Burrowing Owls: Surviving in America's Hottest City". The Wildlife Society Burrowing Owl Symposium. Riverside, CA.
Loyd, K.T. Nov 2020. "Movement and Activity of W. Burrowing Owls in Lake Havasu City" Webinar for Arizona Field Ornithologists. *Invited speaker*
Loyd, K.T., Feb 2020. "The Wildlife Around Us". ASU Public Lecture Series. Arizona State University, Lake Havasu City, AZ. *Invited speaker*
Loyd, K.T. Jan 2020. "Conservation of Western Burrowing Owls in a suburban desert landscape" Prescott Audubon Society, Prescott, AZ. *Invited speaker*
Loyd, K.T., S.M. Hernandez, D.L. McRuer. April 2018. "The role of domestic cats in admissions to wildlife rehabilitation and rescue centers" American Ornithological Society Annual Conference, Cats and Birds Symposium, Tucson, AZ. *Invited speaker*
Loyd, K.T., J.J. Osinski, M.T. Beckwith. Sept 2017. "Urban burrowing owls face multiple challenges in Western Arizona" The Wildlife Society Annual Conference, Albuquerque, NM.
Loyd, K.T. Oct 2016. "Western burrowing owls: challenges of urban living". Raptor Research Foundation Annual Conference, Cape May, NJ
Loyd, K.T., J.J. Osinski and M.T. Beckwith. Jan 2016. "Nest success of the western burrowing owl in Lake Havasu City AZ" Colorado River Terrestrial and Riparian Biology Annual meeting, Laughlin, NV.
Loyd, K.T. Nov 2014. **"**The Howdy Owls of Lake Havasu" ASU Public Lecture series. Arizona State University, Lake Havasu City, AZ. *Invited speaker*
Loyd, K.T., J.J. Osinski, S.S. Bailey and R.A. Ford. Sept 2014. "Habitat characteristics and nest success of the western burrowing owl in a suburban desert landscape." Raptor Research Foundation Annual Conference, Corpus Christi, TX.
Loyd, K.T. Feb 2014. "Humane techniques and new approaches to wildlife research in the 21st century" The Humane University: Incorporating animal issues and humane education in academic institutions. Florida Gulf Coast University. Fort Myers, FL. *Invited speaker*
Loyd, K.T. April 2013. "Look what the cat dragged in: wildlife in a world of domestic predators." Wildlife, Aquatics, Zoo and Exotics Symposium. Tufts University Cummings School of Veterinary Medicine. Medford, Massachusetts *Invited speaker*
Loyd, K.T., S.M. Hernandez, K. J. Abernathy, J.P Carroll, B. J. Foster, G.J. Marshall. August 2012. "Kitty Cams: A novel look at free-roaming domestic cat predation" The Ecological Society of America Annual Conference, Portland, OR.
Loyd, K.T., J.L. DeVore. August 2010. "Feral cat population dynamics and prey take under varying management strategies: A stochastic, demographically-structured modeling approach." The Georgia Chapter of The Wildlife Society Fall Meeting, Forsythe, GA.
ASUNow: https://news.asu.edu/20240416-environment-and-sustainability-colorado-river-becomes-outdoor-classroom-these-middle?utm_campaign=ASU_News_News+4-17-24_6851730&utm_medium=email&utm_source=Media%20Relations%20&%20Strategic%20Communications_SFMCE&utm_term=ASU&utm_content=Colorado+hed&ecd42=518002422&ecd73=180658176&ecd37=All%20ASU%20Employees&ecd43=4/17/2024
Havasu News Herald, Aug 27 2023. "ASU works to save Arizona's Burrowing Owls"
ASUNow: https://asunow.asu.edu/20200910-arizona-impact-invasive-species-continues-flex-its-mussels-arizona%E2%80%99s-waterways
ASUNow: https://asunow.asu.edu/20190611-arizona-impact-asu-biologist%E2%80%99s-research-birds
HAVASU: Arizona's Coastal Life Magazine, Summer 2019. Well grounded, ASU Havasu researcher has a hoot studying region's burrowing owls.
Havasu News Herald, Jan 17 2016. "Pass the poison: experts see secondary poisoning in Havasu's owls"
NPR All Things Considered: http://www.npr.org/2012/08/10/158589981/kitty-cam-reveals-the-secret-lifeof-roaming-cats
NY Times GreenBlog: http://green.blogs.nytimes.com/2012/08/08/kitty-cam-shows-not-all-cats-are-killers/
Mother Jones Magazine: http://www.motherjones.com/blue-marble/2012/08/kitty-cams-shocking-truth