

KERRIE ANNE THERESE LOYD

CURRICULUM VITAE

Address: 174 Smoketree Ave S. Lake Havasu City, AZ 86403 **Phone:** 928-706-8277 **Email:** k.loyd@asu.edu

EDUCATION

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| August 2007- August 2012 | Ph.D., Wildlife Ecology and Management, University of Georgia <i>"Sociopolitical, ecological and behavioral aspects of free-roaming cats"</i> |
| August 2001- May 2004 | M.A., Science Education, University of Georgia |
| August 1996- May 2000 | B.S., Wildlife Science, Virginia Tech <i>Magna cum laude</i> Minors: Environmental Science, Biology |

PROFESSIONAL POSITIONS

August 2012- present, Biology and Environmental Science Lecturer, Arizona State University
Lake Havasu City, Arizona

- Teaching contributions: Course development and instruction for non-majors Biology Lecture and Lab (The Living World), General Biology II Lecture and Lab (Diversity of Life), Field Ecology Lecture and Lab, Vertebrate Zoology Lecture and Lab, Animal Behavior, Environmental Science, Conservation Techniques Lecture and Lab, Flora of Arizona, Conservation Biology and Sustainability: Study Abroad in Ecuador and the Galapagos
- Mentored undergraduate biology and environmental science senior thesis research
- Served on committee to develop B.S. & B.A. in Environmental Science at Arizona State University West & Havasu campuses
- Science faculty committee chair, 2016-2018, Peer evaluation committee chair, 2018- present, Promotions committee, 2019- present
- ECO and Outdoor Pursuits student clubs advisor 2014-present
- Research contributions: Habitat characterization and nest success of urban/suburban burrowing owls in Lake Havasu 2013-present, secondary poisoning of urban raptors in Lake Havasu City 2014-2015, consulting for University of Georgia & National Geographic KittyCams II 2014-2015- studying behavior of stray cats on Jekyll Island, Georgia.

August 2007- July 2012, Research and Teaching Assistant, Warnell School of Forestry and Natural Resources, University of Georgia, Athens, Georgia

- Teaching contributions: gave prepared laboratory lectures, created and presented lectures, assisted with lab preparation, led discussion groups, proctored and graded exams and assignments for: Natural Resources and Society, Vertebrate Natural History, Techniques for Wildlife Sampling, Ecotourism June-July 2010, Instructor, Fulbright-Hayes Group Projects Abroad Program in Tanzania May-June 2008, May-June 2009 Instructor, Natural History of Africa, Study Abroad in Tanzania, African Studies Institute, University of Georgia
- 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 (capturing and 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)

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May 2000- August 2007 Education Supervisor Stone Mountain Park, Stone Mountain, Georgia

- 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

PUBLICATIONS

- Loyd, K.T.** In press. "Humane techniques and new approaches to wildlife research in the 21st century". Ch in *Incorporating Animal Issues and Humane Education in Academic Institutions*. Univ. of Missouri Press.
- 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).

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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.

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

- 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
- 2012 3rd place presentation Warnell School of Natural Resources Graduate Student Symposium
- 2011-2012 University of Georgia Dissertation Completion Award
- 2011 Georgia Chapter of The Wildlife Society Travel Grant
- 2010-2011 Warnell School of Forestry and Natural Resources Martha Love May Scholarship
- 2010 University of Georgia Graduate School Travel Award
- 2010 Morris Animal Foundation Summer Research Scholarship
- 2007-2010 Warnell School of Forestry and Natural Resources Graduate Assistantship

ADDITIONAL EXPERIENCE AND SERVICE

- 2020-present Recording Secretary, Arizona Field Ornithologists
- 2018- present Board member and co-chair of scientific programming, Arizona Field Ornithologists
- 2016- present National Association of Biology Teachers Outstanding Biology Teacher Award Committee
- 2010- present The Wildlife Society certification, Associate Wildlife Biologist

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- 2010- present Peer Reviewer: Journal of Wildlife Management, Human Dimensions of Wildlife, Conservation Letters, 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
- 2010 Earned the Graduate Certificate in Conservation Biology and Sustainable Development, Odum School of Ecology, The University of Georgia
- 2007- 2011 Co-founder and Treasurer, The Georgia Chapter of the Society for Conservation Biology
- 2007 Co-Chair, The Outdoor Classroom Symposium, Atlanta, Georgia
- 2007 (Summer) Kenya Wildlife Service carnivore project volunteer, Samburu District, Kenya
- 2006 (Summer) Emory University Environmental Field Studies participant, Namibia & Botswana
- 2004-2007 Board Member, The Outdoor Classroom Council, Georgia Env. Education Alliance
- 1999 (Summer) Zoo Camp Instructor, Mill Mountain Zoo, Roanoke, VA
- 1998 (Summer) Environmental Education Instructor, University of Rhode Island W. Alton Jones Campus, West Greenwich, RI
- 1997 (Summer) Environmental Education Instructor, Pickering Creek Audubon Center, Easton, MD
- 1995-1996 (Summers) Education Intern, The Wildfowl Trust of North America/Chesapeake Bay Environmental Center, Grasonville, Maryland

RECENT PRESENTATIONS

- Loyd, K.T.** Nov 2020. "Movement and activity of W. Burrowing Owls in Lake Havasu City" Arizona Field Ornithologist's Webinar Series. *Invited speaker*
- Loyd, K.T.**, Feb 2020. "The Wildlife Around Us". ASU Public Lecture Series. Arizona State University, Lake Havasu City, AZ.
- 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.

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- 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.
- Loyd, K.T.,** J.L. DeVore. April 2010. "An evaluation of feral cat management options using a decision analysis network". The Wildlife Society Introduced and Re-Introduced Species Symposium, Starkville, MS.
- Loyd, K.T.** April 2010. "Feral cat management: The science and social science behind the conflict" Oconee Rivers Audubon Society Meeting, Athens, GA. *Invited speaker*
- Loyd, K.T.** March 2010, 2011. "Save our Ecosystems Unit on Invasive Species in Georgia" Invited Lecture, ESCI 4450/6450 Science Curriculum and Teaching, University of Georgia Athens, GA.
- Loyd, K.T.** September 2009, 2010, 2011. "Human- wildlife conflict in East Africa" Invited Lecture, FANR 2200 International Conservation, University of Georgia Athens, GA.

SELECT PUBLIC MEDIA

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, 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>

NBC Nightly News (TV): <http://www.nbcnews.com/video/nightly-news/47452677>