

BRYAN M. KLUEVER, PhD

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USA

Supervisory Research Wildlife Biologist
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EDUCATION

- Ph.D. Utah State University (USU) – Wildlife Biology** **2015**
Dissertation: Relationships between water developments and select mammals on the U.S. Army Dugway Proving Ground, Utah.
Advisor: Eric M. Gese
- M.S. University of Arizona – Rangeland Ecology & Management** **2007**
Thesis: The influence of social interactions, environmental factors, and predators on behavior of range cattle.
Advisors: Stewart Breck and Larry Howery
- B.S. University of Nebraska – Fisheries & Wildlife Management** **2003**
Honors: Dean’s List – Fall 2002, Spring 2002, May 2003

RESEARCH STATEMENT

My research is focused on quantifying and predicting the individual and interactive effects of land use and species interactions on demography, space use, and foraging behavior of vertebrates. To do so, I use observational and experimental study designs in conjunction with transdisciplinary principles and advanced analytical approaches and conduct investigations at multiple trophic levels and spatial scales.

PROFESSIONAL APPOINTMENTS

- USDA, APHIS, Wildlife Services, National Wildlife Research Center**
Supervisory Research Biologist (GS 12) **2018-present**
Florida Field Station Leader, Gainesville, FL
Supervisor: Doug Eckery; Douglas.C.Eckery@aphis.usda.gov, 970-266-6164
- U.S. Fish & Wildlife Service, Supervisory Fish & Wildlife Biologist (GS 12)** **2017-2018**
Migratory Birds Division, Permits Branch, Region 5, Hadley, MA
Supervisor: Pamela Toschik; pamela_toschik@fws.gov, 413-253-8610
- U.S. Army Fort Carson, Wildlife Program Manager (GS 11)** **2015-2017**
Conservation Branch, Fort Carson, CO
Supervisor: Jeffery C. Linn (retired); jlinn@q.com; 719-502-9846
- Utah State University, Graduate Teaching Assistant** **2015**
Department of Wildland Resources, Logan, UT
Supervisor: Dave N. Koons; david.koons@usu.edu; 435-797-8670

Utah State University, Graduate Research Assistant Department of Wildland Resources, Logan, UT Supervisor: Eric M. Gese; eric.gese@usu.edu; 435-797-2542	2010-2015
Utah State University, S.J & Jessie E. Quinney Fellow Department of Wildland Resources, Logan, UT Supervisor: Eric M. Gese; eric.gese@usu.edu; 435-797-2542	2010-2013
Hayden-wing Associates LLC, Senior Wildlife Biologist Laramie, WY Supervisor: Connie Hedley; connie@haydenwing.com; 307-742-5440	2007-2009
University of Arizona, Graduate Research Assistant Department of Rangeland Resources, Tucson, AZ Supervisor: Larry Howery; lhowery@ag.arizona.edu; 520-309-5412	2005-2007

PUBLICATIONS

Peer-Reviewed (* denotes mentee author)

25. **Kluever, B. M.**, Pfeiffer, M. B., Barras, S. C., Dunlap, B. G., and L. A. Humberg. 2020. Black vulture conflict and management in the United States: damage trends, management overview, and research needs. **Human-Wildlife Interactions** 14:14
24. Shiels, A. S., Klug, P. E., **Kluever, B. M.**, and S. R. Siers. 2020. Rose-ringed parakeets in California: established populations and potentially a serious agricultural threat. **Proceedings of the 29th Vertebrate Pest Conference**. Paper No. 43. 5 pp.
23. Lonsinger, R C., **Kluever, B. M.**, Hall, L. K., Larsen, R. H., Gese, E. M., Waits, L. P., and R. N. Knight. 2020. Conservation of kit foxes in the Great Basin Desert: a review and recommendations. **Journal of Fish and Wildlife Management** doi.org/10.1111/JFWM-20-025
22. Choi, D. Y. Wittig, T. W., and **B. M. Kluever**. 2020. An evaluation of factors influencing the spatial arrangement of bird and bat mortalities at wind farms in the Northeast United States. **PLoS ONE** 15(8) e0238034
21. Richard, S. A., Bukovich, I. M. G., Tillman, E. A., Jayamohan, S., Humphrey, J. S., Carrington, P. E., Bruce, W. B., **Kluever, B. M.**, Avery, M. L., and M. R. Parker. 2020. Conspecific chemical cues facilitate mate trailing by invasive Argentine black and white tegus. **PLoS ONE** 15(8): e0236660
20. Hudson, S. B., **B. M Kluever**, A. C. Webb, and S. S. French. 2020. Steroid hormones, energetic state, and immunocompetence vary across reproductive contexts in a parthenogenetic lizard. **General and Comparative Endocrinology** 288: 113372 [doi:10.1016/j.ygcen.2019.113372](https://doi.org/10.1016/j.ygcen.2019.113372)
19. Klug, P. E., Bukoski, W. P., Shiels, A. B., **B. M. Kluever**, and S.R. Siers. 2019. Rose-ringed parakeets. **Wildlife Damage Management Technical Series**. USDA, APHIS, WS National Wildlife Research Center. Fort Collins, Colorado, USA. 16pp.

18. **Kluever, B. M.**, D. T. Iles and E. M. Gese. 2019. Ectoparasite burden influences the denning behavior of a small desert carnivore. **Ecosphere** 10:11 doi.org/10.1002/ecs2.2749
17. **Kluever, B. M.**, T. N. Smith and E. M. Gese. 2019. Group effects of a non-native plant invasion on rodent abundance. **Ecosphere** 10:16 doi:10.1002/ecs2.2544
16. *Smith, T., E. M. Gese and **B. M. Kluever**. 2017. Evaluating the impact of an exotic plant invasion on rodent community richness and abundance. **Western North American Naturalist** 77:515-525 doi.org/10.3398/064.077.0411
15. **Kluever, B.M.** and E. M. Gese. 2017. Evaluating the influence of water developments on the demography and spatial ecology of a small desert carnivore: the kit fox (*Vulpes macrotis*) **Journal of Mammalogy** 98: 815-826 doi:10.1093/jmammal/gyx038
14. **Kluever, B. M.**, E. M. Gese and S. J. Dempsey. 2017. The influence of wildlife water developments on a desert carnivore and herbivore. **Current Zoology** 63:121-129 doi:10.1093/cz/zow071
13. **Kluever, B. M.**, E. M. Gese and S. J. Dempsey. 2016. The influence of wildlife water developments and vegetation on rodent abundance in the Great Basin Desert. **Journal of Mammalogy** 97: 1209-1218 doi:10.1093/jmammal/gyw077
12. **Kluever, B. M.** and E. M. Gese. 2016. Spatial response of coyotes to removal of water availability at anthropogenic water sites. **Journal of Arid Environments** 130: 68-75. doi:10.1016/j.jaridenv.2016.03.009
11. Dempsey, S. D., E. M. Gese, **B. M. Kluever**, and R. C. Lonsinger. 2015. Evaluation of scat deposition transects versus radio telemetry for developing a species distribution model for a rare desert carnivore, the kit fox. **PLoS ONE** 10(10). doi:10.1371/journal.pone.0138995
10. **Kluever, B. M.**, E. M. Gese, and S. J. Dempsey. 2015. The influence of road characteristics and species on detection probabilities of carnivore faeces. **Wildlife Research** 42: 75-82. doi:10.1071/WR14244
9. Lonsinger, R. C., E. M. Gese, S. J. Dempsey, **B. M. Kluever**, T. R. Johnson, and L. P. Waits. 2015. Balancing sample accumulation and DNA degradation rates to optimize noninvasive genetic sampling of sympatric carnivores. **Molecular Ecology Resources** 15 :831-842. doi:10.1111/1755-0998.12356.
8. Dempsey, S. D., E. M. Gese, and **B. M. Kluever**. 2014. Finding a fox: an evaluation of survey methods for detecting a small desert carnivore. **PLoS ONE** 9(8). doi:10.1371/journal.pone.0105873
7. Mohammadi, S., **B. M. Kluever**, T. Tamashiro, Y. Amano, and J. G. Hill III. 2014. Spatial and thermal observations of a Malayan Krait (*Bungarus canidus*) from Thailand. **Tropical Natural History** 14: 21-26.
6. **Kluever, B. M.**, E. M. Gese, S. J. Dempsey, and R. N. Knight. 2013. A comparison of methods for monitoring kit foxes at den sites. **Wildlife Society Bulletin** 37(2) 439-443.
5. Breck, S. W., P. Clark, L. D. Howery, D. Johnson, **Kluever, B. M.**, S. Smallidge, and A. Ciblis. 2012. A perspective on livestock-wolf interactions on western rangelands. **Rangelands** 34: 6-11.

4. **Kluever, B. M.**, L. Lagos, S. W. Breck, L. D. Howery, M. Sanmartín D. L. Bergman, and F. Bárcena. 2012. Integrity and retention of ear-tag radio transmitters in domestic cattle and feral horses. **Wildlife Society Bulletin** 36: 189-193.
3. Breck, S. W., **B. M. Kluever**, M. Panasci, J. Oakleaf, T. Johnson, W. Ballard, L. D. Howery, and D. L. Bergman. 2011. Domestic calf mortality and producer detection rates in the Mexican wolf recovery area: implications for livestock management and compensation schemes. **Biological Conservation** 144: 930-936.
2. **Kluever, B. M.**, L. D. Howery, S. W. Breck, and D. L. Bergman. 2009. Predator and heterospecific stimuli alter behaviour in cattle. **Behavioural Processes** 81: 85-91.
1. **Kluever, B. M.**, S. W. Breck, L. D. Howery, P. R. Krausman and D. L. Bergman. 2008. Vigilance in range cattle: the influence of predation, social interactions and environmental factors. **Journal of Rangeland Ecology and Management** 61: 321-328.

Reports

Main, M., **B. M. Kluever**, A. Piaggio, S.W. Breck, and R.C. Lonsinger. 2020. Optimizing sampling efforts for estimating urban and rural density and determining coyote diet using a noninvasive framework. Final Report to the Florida Fish and Wildlife Conservation Commission, Contract Number 13416-A3046.

Gati, E. M., J. R. Dalaba, M. A. Miller, J. S. Humphrey, **B. M. Kluever**, R. Gible, and F. J. Mazzotti. 2020. Assessment of python trapping within the Everglades region using a patented large reptile trap. Final Report to the Florida Fish and Wildlife Conservation Commission, Contract Number 13416-A3045.

Klug, P. E., W. P. Bukoski, A. B. Shiels, **B. M. Kluever**, and S. R. Siers. 2019. Critical review of potential control tools for reducing damage by the invasive Rose-ringed Parakeet (*Psittacula krameri*) on the Hawaiian Islands. Unpublished Final Report QA-2836. USDA APHIS WS NWRC. Fort Collins, CO.

Kluever, B. M., and E. M. Gese. 2014. Interactions between kit foxes and coyotes around artificial water sources in western Utah. Annual Report to the Utah Division of Wildlife Resources.

Kluever, B. M., S. J. Dempsey, and E. M. Gese. 2013. Interactions between kit foxes and coyotes around artificial water sources in western Utah. Annual Report to the Utah Division of Wildlife Resources.

Kluever, B. M., S. J. Dempsey, and E. M. Gese. 2012. Interactions between kit foxes and coyotes around artificial water sources in western Utah. Annual Report to the Utah Division of Wildlife Resources.

Kluever, B. M., S. J. Dempsey, and E. M. Gese. 2011. Interactions between kit foxes and coyotes around artificial water sources in western Utah. Annual Report to the Utah Division of Wildlife Resources.

Kluever, B. M., and E. M. Gese. 2010. Interactions between kit foxes and coyotes around artificial water sources in western Utah. Annual Report to the Utah Division of Wildlife Resources.

GRANTS, CONTRACTS, FELLOWSHIPS & AWARDS**Total awarded: \$1,346,277***(* denotes pre-proposal accepted, full proposal rejected)*

- 2020 USDA Specialty Crop Block Grant Program, Specialty Crop Multi-State Program; Supporting farmer adoption of laser scarecrow technology for bird control in sweetcorn; Co-PI (**\$799,580**)
- 2019 Florida Fish and Wildlife Conservation Commission, Wildlife Impact Management Section Competitive Research Funding; Optimizing sampling efforts for estimating urban and rural coyote density and determining diet using a noninvasive framework; Co-Lead PI (**\$146,888**)
- 2019 National Institute of Food and Agriculture Specialty Crop Research Planning Grant; Red light, green light: assessment of benefits and risks from use of robotic laser scarecrows; Co-PI (**\$22,000**)
- *2018 DoD Strategic Environmental Research and Development Program; A lizard at risk in a changing environment: metapopulation dynamics of the Colorado Checkered Whiptail; Co-PI (**\$370,000**)
- 2017 US Army Installation Management Command Competitive Environmental Funds: Comparison of population estimation approaches for reptiles at Fort Carson and Pinon Canyon Maneuver Site; PI (**\$200,000**)
- 2017 US Army Installation Management Command Competitive Environmental Funds: Demography and ecophysiology of the Colorado Checkered Whiptail at Fort Carson and Pinon Canyon Maneuver Site; PI (**\$95,000**)
- *2017 DoD Strategic Environmental Research and Development Program; Phenological responses to climate change across trophic levels: implications for the management of sensitive species on Department of Defense lands; Co-PI (**\$430,000**)
- 2016 National Environmental Education Foundation, National Public Lands Day DoD Legacy Award (**\$4,900**)
- 2014 USU Office of Research and Graduate Studies PhD Enhancement Award (**\$4000**)
- 2014 African Safari Club of Florida Scholarship (**\$,2500**)
- 2013 The Wildlife Society Utah Chapter Research Grant (**\$1,500**)
- 2009 USU S. J. and J. E. Quinney School of Natural Resources PhD Fellowship (**\$60,000**)
- 2012 T & E Inc. Wildlife and Conservation Research Grant (**\$2,400**)
- 2012 American Society of Mammalogists Research Grant (**\$1500**)
- 2012 USU Office of Research and Graduate Studies Travel Award (**\$500**)
- 2011 T & E Inc. Wildlife and Conservation Research Grant (**\$2,200**)
- 2010 USU Office of Research and Graduate Studies Travel Award (**\$500**)
- 2010 T & E Inc. Wildlife and Conservation Research Grant (**\$2,200**)
- 2010 USU Office of Research and Graduate Studies Research Grant (**\$1,000**)
- 2006 T & E Inc. Wildlife and Conservation Research Grant (**\$2,400**)
- 2006 Univ. of Arizona Ray Cowden Memorial Scholarship (**\$500**)
- 2003 Univ. of Nebraska John Holling Memorial Scholarship (**\$700**)
- 2002 Univ. of Nebraska Platte Valley Scholarship (**\$300**)

Awards to undergraduate mentees

- 2014 USU GIS & Remote Sensing Lab UtahView Research Grant to Victoria Holman (**\$1,700**)
 2014 USU Undergraduate Research & Creative Opportunity Grant to Trinity Smith (**\$1,500**)

TEACHING

* indicates USU, † University of Nebraska, # Fort Carson, ^ University of Colorado,
 ^ National Conservation Training Center

Courses Taught as Instructor/Co-Instructor

- 2018 Migratory Bird Conservation: A Trust Responsibility ^
 2015-2017 Army Environmental Protection Officer Short Course #
 Topics: Wildlife Diseases: Risk and Transmission, Invasive Species, Integrated
 Natural Resources Management

Courses Taught as Teaching Assistant

* indicates USU, † University of Nebraska

- | | | |
|------|----------------------------------|-------------------|
| 2015 | Animal & Plant Populations * | Dr. David Koons |
| 2014 | Wildland Resources Techniques * | Dr. Dan MacNulty |
| 2003 | Wildlife Management Techniques † | Dr. Larkin Powell |
| 2003 | Fundamentals of Communication † | Dr. Adam Jones |

Curriculum Development

- | | | |
|------|---|-----------------|
| 2015 | Advanced GIS for Natural Resources * | Shannon Belmont |
| | Utilization Distributions: Coyote Home Ranges and
Density Surfaces | |

Guest Lectures

- | | | |
|------------|------------------------------|-----------------------|
| 2017 | Biology & the Citizen * | Dr. Shabnam Mohammadi |
| 2016 | Mammalogy ^ | Dr. Jon Pigage |
| 2015 | Animal & Plant Populations * | Dr. David Koons |
| 2014 | Mammalogy * | Dr. Morgan Ernest |
| 2011, 2013 | Avian Ecology (GIS lab) * | Dr. Frank Howe |

MENTORING & ADVISING

Appointments

- | | | |
|--------------|------------------|---|
| 2019-present | Graduate Faculty | USU, Wildland Resources Department |
| 2020-present | Courtesy Faculty | University of Florida, Department of Wildlife Ecology
& Conservation |

Student Committees and Co-advising

^Committee Member, • Co-adviser

- 2020-present Marian Wahl•, PhD Student, Dept of Forestry and Natural Resources, Purdue University

Dissertation: Movements and impacts of black vultures in livestock production areas, with an emphasis on southern Indiana.

2020-present Morgan Donaldson[^], M.S. Student, M.S. Student, Dept. of Biological Sciences, North Dakota State University

Thesis: Producer versus field based estimates of avian damage to sunflowers and assessment of knowledge gaps for avian depredation of crops.

2018-present Ashley Hodge[^], M.S. Student, Wildland Resources Dept. USU

Thesis: Dietary shifts related to water availability and the demographic response to changing prey abundance of carnivores in the West Desert, Utah

2013-2015 Trinity Smith[^], B.S. Honors Thesis Program, Dept. of Biology USU

Thesis: The influence of invasive plants on the small mammal community in a cold desert

PROFESSIONAL SKILLS

Analytical

- General statistical estimation and modeling: mainly frequentist, with Bayesian notions
- Programming skills: R, RMARK, SAS, PYTHON
- Capture-Mark-Recapture analysis (Known-fate, CJS, Multistate, Robust design, SECR, N-mixture)
- Time-to-Failure Survival analysis: Kaplan-Meier, CoxPH, AFT, parametric models
- Wildlife-Habitat Analyses (Resource selection functions, State-space models, Individual-based models)

Field and Laboratory Techniques

Rangeland monitoring	Invasive sampling of vertebrates
Rangeland inventory	Geographic Information Systems (GIS)
Radio telemetry	Non-invasive sampling of vertebrates
Field study design	Wildlife conflict mitigation
Measuring life history traits	Biological assays (ELISAs)

PROFESSIONAL SOCIETIES, WORKSHOPS, & TRAINING

Societies (within last 5 years): The Wildlife Society (TWS), American Society of Mammalogists, Society for Range Management, Ecological Society of America, Society for Advancement of Chicanos/Hispanics and Native Americans in Science, TWS Ethnic and Gender Diversity Working Group, TWS Wildlife and Habitat Restoration Working Group

Workshops and Certifications: TWS Wildlife Biologist Certification®, Interagency Aviation Safety Certification (2017), Endangered Species Act and Migratory Bird Treaty Act Negotiations Training - US Army Environmental Command (2016), Getting Started as a Successful Proposal Writer and Academician (2014), Wildland Firefighter Type II (2015), Wildlife Capture and Immobilization Certification (2012), Hantavirus Safety Training (2009).

PRESENTATIONS & SEMINARS (* denotes mentee author ** denotes invited talk)

Seminar and Conference Presentations

32. Anderson CJ, W. P. Bukoski, **B. M. Kluever**, P. E. Klug, S. R. Siers, A.B. Shiels, S. C. Hess and L. A. Brennan 2020. Abundance and culling efficacy of invasive rose-ringed parakeets in Kauai, Hawaii, United States. Annual Meeting of The Wildlife Society.
31. *Hodge, A., E. M. Gese, and **B. M. Kluever**. Does water availability for coyotes shift dietary preferences in the West Desert of Utah. 2020. Annual Meeting of The Wildlife Society.
30. Anderson, C. J., W. P. Bukoski, **B. M. Kluever**, P. E. Klug, S. R. Siers, A. B. Shiels, and L. Brennan. 2020. Abundance and management strategies for invasive rose-ringed parakeets (*Psittacula krameri*) in Kaua`i. North American Ornithological Conference
29. Anderson, C. J., W. P. Bukoski, **B. M. Kluever**, P. E. Klug, S. R. Siers, A. B. Shiels, and L. Brennan. 2020. Evaluating management strategies for invasive rose-ringed parakeets (*Psittacula krameri*) in Kaua`i. Hawaii Conservation Alliance Conference
28. *Wahl, M, **B. M. Kluever**, L. Humberg, G. Burcham, B. Dunlap, and P. Zollner. 2020. Modeling black vulture movement and habitat selection in southern Indiana and Northern Kentucky. The Wildlife Society Annual Meeting
27. Shiels, A., P. E. Klug, **B. M. Kluever**, and S. R. Siers. 2020. Rose-ringed parakeets in California: established populations and serious agricultural threats. Vertebrate Pest Conference, Santa Barbara, California.
26. Pedersen, K. Hyle, R.B., B.G. Dunlap, K.M. Blanton, B.H. Robbins, and **B.M. Kluever**, 2020. Black vulture damage in Tennessee. Poster at Bird Damage Management Conference, Salt Lake City, Utah.
25. ****Kluever, B. M.**, L. Humberg, B. Dunlap, G. Burcham, P. Zollner, and M. Wahl. 2020. Black vulture conflict in North America: current and needed research, with an emphasis on damage to agriculture. Bird Damage Management Conference, Salt Lake City, Utah.
24. Ossibof, R. J., S. B. Tillis, M.A. Miller, J. Josimovich, N. Claunch, I. A. Hartman, I. Batoszek, J. Humphrey, **B. M. Kluever**, R. Reed. L. Hoon-Hanks, M. Stenglein, C. M. Romagosa. and J.F. Wellehan, and 2020. Identification of divergent serpentoviruses in free-ranging invasive pythons in southern Florida, United States. World Congress of Herpetology, Dunedin, New Zealand.
23. **Kluever, B. M., D. T. Iles, and E. M. Gese**. 2019. Ectoparasite burden influences the denning behavior of a small desert carnivore, the kit fox. Presented at the Wildlife Society Annual Meeting-Reno, Nevada.
22. **Klug, P. E., W. P. Bukoski, A. B. Shiels, **B. M. Kluever**, and S. R. Siers. 2019. Research and planning for invasive Rose-ringed Parakeet damage reduction on Kauai. University of Hawaii College of Agriculture and Human Resources Invasive Species Conference. Imiloa Astronomy Center, Hilo, Hawaii.
21. ****Kluever, B. M.** 2019. Leveraging human-wildlife conflict to inform applied and basic

wildlife research. University of Florida Department of Wildlife Ecology and Conservation Seminar Series. Gainesville, Florida. [*Departmental seminar*]

20. ****Kluever, B. M.** 2018. The utilization of applied science, practical partnerships, and team building to address wildlife management challenges. Wildlife Services National Wildlife Research Center, Fort Collins, Colorado.
19. ****Kluever, B. M.** 2018. Double-crested cormorant management. Lake Champlain Anglers United Association. Burlington, Vermont.
18. ****Kluever, B. M.** 2016. A test of the indirect effect of water of hypothesis on a rodent community in the Great Basin Desert. Department of Biology. Regis University. Colorado Springs, CO. [*Departmental seminar*]
17. ****Kluever, B. M.** 2016 Evaluating the effects of anthropogenic water development on the canid community in an American desert. Department of Zoology. Universität Hamburg. Hamburg, Germany. [*Departmental seminar*]
16. **Kluever, B. M.**, J. C. Pigage, and H. K. Pigage. 2016. Fleas of Kit Foxes at Dugway Proving Ground, Utah. Poster at the American Society of Mammologists Annual Meeting-Minneapolis, Minnesota.
15. *Smith, T., E. M. Gese, and **B. M. Kluever**. 2015. The influence of invasive plant species on the small mammal community in a cold desert. Poster at the Utah Chapter Wildlife Society Annual Meeting-Moab, Utah.
14. *Holman, V., and **B. M. Kluever**. 2015. The effects of cheat grass on black-tailed jackrabbit relative abundance at Dugway Proving Ground, UT. Poster at the Maps on the Hill Annual Meeting-Salt Lake City, Utah.
13. **Kluever, B. M.**, E. M. Gese, and S. J. Dempsey. 2013. A comparison of methods for monitoring kit foxes at den sites. Presented at the Utah Chapter Wildlife Society Annual Meeting-Bryce Canyon, Utah.
12. Dempsey, S. J., E. M. Gese, **B. M. Kluever** and R. N. Knight. 2013. Finding a fox: an evaluation of detection methods for censusing a small desert carnivore. The Wildlife Society Annual Meeting-Portland, UT. Presented at the Utah Chapter Wildlife Society Annual Meeting-Bryce Canyon, Utah.
11. Dempsey, S. J., E. M. Gese, **B. M. Kluever** and R. N. Knight. 2012. Evaluation of survey methods for kit fox on the U.S. Army Dugway Proving Ground, Utah. Poster at the Wildlife Society Annual Meeting-Portland, Utah.
10. **Kluever, B. M.**, E. M. Gese, and S. J. Dempsey. 2012. Are cameras or observers more effective at monitoring kit foxes at den sites. Presented at the Wildlife Society Annual Meeting-Portland, Oregon.
9. **Kluever, B. M.**, E. M. Gese, R. N. Knight, S. J. Dempsey, *G. B. Smith, *N. Mesce, and *A. Hodge. 2010. Spatial patterns and individual water use of coyote and kit fox in relation to wildlife water developments and other free standing water sources at the U.S. Army Dugway Proving Ground, Utah: preliminary findings. Poster at the Wildlife Society Annual Meeting-Snowbird, Utah.
8. Howery, L. D., **B. M. Kluever**, and S. W. Breck. 2009. Overview of indirect impacts of

predators on livestock foraging behavior. Presented at the International Society for Range Management Conference. Wolf-Cattle Interactions Symposium. Albuquerque, New Mexico.

7. **Kluever, B. M.**, L. D. Howery and S. W. Breck. 2007. The influence of social and environmental factors on vigilance of range cattle. Presented at the International Society for Range Management Conference-Reno, Nevada.
6. Breck, S. W., **Kluever, B. M.** and D. L. Bergman. 2007. Carnivore predation on calves and producer detection rates on east eagle drainage of the Mexican wolf recovery area. Presented at the Wildlife Society Annual Meeting-Tucson, Arizona.
5. **Kluever, B. M.**, Howery. L. D., and S. W. Breck. 2007. The effects of predator stimuli on behavior of range cattle. Presented at the International Union of Game Biologists 27th Congress-Uppsala, Sweden.
4. **Kluever, B. M.**, Howery. L. D., and S. W. Breck. 2007. The effects of predator stimuli on behavior of range cattle. Presented at the Wildlife Society Annual Meeting-Tucson, Arizona.
3. ****Kluever, B. M.** 2006. Learning from cattle-carnivore interactions in Arizona. Arizona Wildlife Services Annual Retreat.
2. **Kluever, B. M.**, S. W. Breck and L. D. Howery. 2006. Integrity and retention of transmitters used to monitor livestock depredation. Poster at the Arizona and New Mexico Chapters, Wildlife and Fisheries Society Annual Meeting-Flagstaff, Arizona.
1. **Kluever, B. M.**, and C. L. Welch. 2004. A synopsis of the tern and plover conservation partnership and preliminary results for 2004 nesting data. Annual meeting. Poster at the Wildlife Society-Nebraska Chapter-Hastings, Nebraska.

Agency and Organization Presentations

7. ****Kluever, B. M., and P. Hall.** 2019. Black vulture damage and management. Florida Cattlemen's Association quarterly meeting. Plant City, Florida.
6. ****Kluever, B. M., and L. Humberg** 2019. Black vulture damage and management. Indiana Beef Council quarterly meeting, West Lafayette, Indiana.
5. ****Kluever, B. M.** 2019. Interagency cooperation between U.S. Army Corps of Engineers and Wildlife Services. U.S. Army Corps of Engineers Invasive Species Leadership Team annual meeting. Gainesville, FL.
4. **Kluever, B. M.**, and E. M. Gese. 2013. Research update: water manipulation for kit fox and coyote project on Dugway Proving Ground. Annual meeting, DoD Integrated Natural Resource Management Plan, Salt Lake City, Utah.
3. **Kluever, B. M.**, and E. M. Gese. 2012. Research update: water manipulation for kit fox and coyote project on Dugway Proving Ground. Annual meeting, DoD Integrated Natural Resource Management Plan, Salt Lake City, Utah.
2. **Kluever, B. M.**, and E. M. Gese. 2011. Research update: water manipulation for kit fox and coyote project on Dugway Proving Ground. Annual meeting, DoD Integrated Natural Resource Management Plan, Salt Lake City, Utah.
1. **Kluever, B. M.**, and E. M. Gese. 2010. Research update: water manipulation for kit fox

and coyote project on Dugway Proving Ground. Annual meeting, DoD Integrated Natural Resource Management Plan, Salt Lake City, Utah

PROFESSIONAL SERVICE

- 2019-present Ecological Society of America, Subject Matter Editor-Ecosphere
2018 TWS Wildlife & Habitat Restoration Working Group Past-Chair
2017 The Wildlife Society (TWS) National Conference Travel Grant Review Committee Member
2017 TWS Leadership Institute Selectee
2017 TWS Wildlife & Habitat Restoration Working Group Chair
2017 TWS Travel Grant Review Committee
2016 TWS Habitat Restoration Working Group Chair-elect
2016-2020 TWS Wildlife & Habitat Restoration Working Group Member
2016-present TWS Ethnic and Gender Diversity Working Group Member
2016-present Society for the Advancement of Chicanos and Native Americans in Science Member
2014 USU Graduate student Council Wildland Resources Department Representative
2012-13 USU College of Natural Resources Graduate Student Emergency Medical Needs Fundraiser Organizer
2012 Wildlife Society Conference Quiz Bowl Volunteer
2007 University of Arizona Rangeland Department Graduate Student Representative
2002 University of Nebraska Wildlife Club Secretary

Manuscript Reviewer for: *Journal of Wildlife Management* (1), *Journal of Ecology & the Environment* (1), *International Journal of Zoology* (1), *PLOS One* (3), *Behavioural Processes* (1), *Animals* (1), *Scientific Reports* (1), *Wildlife Society Bulletin* (2), *Journal of Mammalogy* (2), *Mammalia* (1) *Wildlife Research* (2) *Ecosphere* (2) *Human-Wildlife Interactions* (1)

PRESS

- 2020 Featured Research, The Wildlife Society – Fleas drive kit foxes to bounce from den to den
<https://wildlife.org/fleas-drive-kit-foxes-to-bounce-from-den-to-den/>
- 2019 Interviewee, Farm World – Black vultures move into Indiana, preying on cattle
<http://www.farmworldonline.com/News/NewsArticle.asp?newsid=24375>
- 2016 Featured Research, Utah Public Radio
Kit Foxes and Coyotes Clash in Utah's West Desert
<http://upr.org/post/kit-foxes-and-coyotes-clash-utahs-west-desert>
- 2016 Interviewee, Utah Public Radio – Kit Foxes: Sentinels of Utah's Desert Nights
<http://upr.org/post/kit-foxes-sentinels-utah-s-desert-nights>
- 2010 Interviewee, Utah Public Radio Science Questions -The Infamous Coyote
http://sheriquinn.wix.com/sqradio/wildlife#!_wildlife
- 2010 Featured Professional, The Leonardo - Faces of Biotechnology
<http://www.youtube.com/watch?v=jA70TIV2bbo>

2010 Interviewee, Wild About Utah - Utah's Desert Fox
<http://wildaboututah.org/utahs-desert-fox/>

EXTENSION & OUTREACH

My outreach and extension efforts involve providing research based information to the general public, clientele, and stakeholders on wise use sustainment of wildlife and their habitats, habitat restoration strategies, maintenance and enhancement of biodiversity and ecological processes, and wildlife damage management techniques. To this end, I also aim to increase science de-mystification and bridge the gap between scientists and the public.

Publications

Klug, P. E., W. P. Bukoski, A. B. Shiels, **B. M. Kluever**, and S. R. Siers. 2019. Critical review of potential control tools for reducing damage by the invasive Rose-ringed Parakeet (*Psittacula krameri*) on the Hawaiian Islands. Final Report QA-2836. USDA APHIS WS NWRC. Fort Collins, CO. 52 pp.

Hall, P. and **B. M. Kluever**. 2019. Mitigating vulture damage to cattle operations. The Florida Cattleman and Livestock Journal.

Presentations

- 2016 Earth Day outreach “Pollinators: the who, what, and why”, Fort Carson, CO (**400+ attendees**)
- 2015 USU “Science Unwrapped” public outreach, Logan, UT (**300+ visitors**)
- 2014 Thomas Edison Charter School science fair judge, Logan, UT (**50+ entries**)
- 2012 Earth Day outreach “The Wildlife of Dugway”, Dugway Proving Ground, UT (**500+ attendees**)

Field Tours

- 2016 Rocky Mountain Elk Foundation. The wildlife waterer program at Pinon Canyon Maneuver Site, CO (**15+ Attendees**)
- 2012 Dugway High School. The wonders and wildlife of downrange Dugway Proving Ground, UT (**30+ attendees**)
- 2007 Greenlee County Cattle Growers Association. Livestock predation field methods and study update, East Eagle Grazing Allotment, AZ (**40+ attendees**).
- 2006 Greenlee County Cattle Growers Association. Livestock predation field methods and study update, Mud Springs Grazing Allotment, AZ (**30+ attendees**)