

ERIC M. GESE

U.S. Department of Agriculture, Animal and Plant Health Inspection Service,
Wildlife Services, National Wildlife Research Center
Department of Wildland Resources
Utah State University
Logan, UT 84322-5230
Ph: (435) 797-2542; Fax: (435) 797-0288; eric.gese@usu.edu

EDUCATION

1995	Ph.D.	Wildlife Ecology	University of Wisconsin – Madison (Dissertation: Foraging ecology of coyotes in Yellowstone National Park)
1987	M.S.	Wildlife Ecology	University of Wisconsin – Madison (Thesis: Ecology of coyotes in southeastern Colorado)
1982	B.S.	Biology	University of Texas – San Antonio

PROFESSIONAL EMPLOYMENT

6/95–present	RESEARCH WILDLIFE BIOLOGIST , USDA/APHIS/WS/National Wildlife Research Center, Department of Wildland Resources, Utah State University, Logan, Utah
1/91–5/95	GRADUATE RESEARCH ASSISTANT , Department of Wildlife Ecology, University of Wisconsin, Madison, Wisconsin
7/89–12/90	GRADUATE RESEARCH ASSISTANT , Department of Fisheries and Wildlife, University of Minnesota, St. Paul, Minnesota
9/87–6/89	ASSOCIATE RESEARCH SPECIALIST , Department of Wildlife Ecology, University of Wisconsin, Madison, Wisconsin
10/83–8/87	GRADUATE RESEARCH ASSISTANT , Department of Wildlife Ecology, University of Wisconsin, Madison, Wisconsin
5/83–10/83	WILDLIFE TECHNICIAN , U.S. Fish & Wildlife Service, Minnesota Wolf Project, Ely, Minnesota

UNIVERSITY APPOINTMENT

7/14-present	PROFESSOR , Department of Wildland Resources, Utah State University, Logan, Utah
4/02-6/14	ASSOCIATE PROFESSOR , Department of Wildland Resources, Utah State University, Logan, Utah
12/95-3/02	ASSISTANT PROFESSOR , Department of Fisheries and Wildlife, Utah State University, Logan, Utah

GRANTS & RESEARCH SUPPORT

- 2015-2016 Multifaceted impacts of climate change and human activities on physiology and fitness of polar bears in the southern Beaufort Sea (\$33,932 - Utah State University: Seed Program to Advance Research Collaboration Award) with S. S. French, P. A. Terletzky, and T. C. Atwood
- 2015-2017 Space use, physiological stress, and behavioral responses of fishers to forest treatments (\$76,852 - U.S. Forest Service; USDA)
- 2014-2017 Pronghorn productivity and monitoring (\$138,476 - Idaho Department of Fish and Game)
- 2014-2017 Interactions between fisher and mountain lions in the central Sierra Nevada Mountains (\$35,894 - USDA)
- 2014-2015 Evaluation of the placeholder concept for red wolf recovery (\$12,000 – Point Defiance Zoo; USDA) with P. A. Terletzky
- 2014-2015 Characterization of cortisol levels in various sample types collected from southern Beaufort Sea polar bears (\$18,198 - U.S. Geological Survey, Alaska Science Center) with S. S. French
- 2013-2018 Development and fitness consequences of on-shore behavior among polar bears in the southern Beaufort Sea (\$194,500 - National Science Foundation Graduate Research Fellowship to K. M. Lillie; Utah State University; USDA)
- 2012-2016 Comparing conventional and noninvasive monitoring techniques for assessing cougar population size in the Southern Greater Yellowstone Ecosystem (\$23,100 - Panthera; Craighead Beringia South; USDA)
- 2011-2015 Ecology and behavior of coyotes in urban environments at varying spatial scales (\$134,261 - Quinney Foundation Graduate Fellowship to S. A. Poessel; USDA)
- 2009-2014 Mountain lion predation ecology at Bighorn Canyon National Recreation Area (\$182,400 - U.S. National Park Service; Utah State University Presidential Fellowship to L. W. Blake; USDA) with M. L. Wolfe
- 2009-2015 Interactions between kit foxes and coyotes around artificial water sources in western Utah (\$626,018 - U.S. Army; USDA; Utah Division of Wildlife Resources; Quinney Foundation Graduate Fellowship to B. M. Kluever)
- 2008-2014 Cougar research in Utah (\$354,000 - Utah Division of Wildlife Resources) with M. L. Wolfe
- 2008-2009 Development of a geospatial model for estimating coyote population size (\$72,965 - Wyoming Department of Agriculture; USDA) with P. A. Terletzky
- 2006-2010 Interactions between coyotes and elk in the Valles Caldera National Reserve, New Mexico (\$134,846 - Valles Caldera Trust; U.S. Forest Service)

- 2006-2010 Relationship between forest structure and snowshoe hare abundance in western Wyoming (\$82,780 - U.S. Forest Service)
- 2005-2010 Spatial and temporal relationships between coyotes, lynx, and winter recreation (\$141,263 - U.S. Forest Service; USDA)
- 2005-2008 Surgical sterilization of coyotes to reduce predation on pronghorn fawns (\$167,889 - USDA; U.S. Army)
- 2003-2006 Interactions between wolves, coyotes, and mule deer in southwestern Montana (\$185,300 - USDA; Boone & Crockett Club; Pope & Young Foundation)
- 2002-2004 A guide to predation management techniques for agricultural producers (\$25,000 - Utah Agricultural Experiment Station; Utah State University Extension Service; USDA)
- 2001-2006 Swift foxes as an indicator species of ecosystem health on the Piñon Canyon Maneuver Site, Colorado (\$339,600 – U.S. Army)
- 2001-2004 Landscape use and diet of coyotes in the suburbs of Chicago (\$55,271 - Max McGraw Wildlife Foundation; USDA) with S. Gehrt
- 2000-2007 Conservation strategies for jaguars and pumas in the Pantanal region, Brazil (\$225,990 - Wildlife Conservation Society; Sociedade Civil Mamiirauá [Brazil]; Conservation, Food and Health Foundation; USDA) with S. M. C. Cavalcanti
- 2000-2004 Spatial ecology of swift foxes in southeastern Colorado (\$87,107 - U.S. Army; USFWS; Welder Wildlife Foundation Graduate Fellowship to A. M. Kitchen)
- 1999-2004 Coyote-kit fox interactions on Dugway Proving Ground, Utah (\$128,342 – U.S. Army) with W. M. Arjo
- 1997-2001 Wolves of Agassiz National Wildlife Refuge (\$114,350 - USFWS; USDA)
- 1996-2000 Coyote sterilization as a method of reducing predation on domestic lambs (\$205,344 - USDA; Utah Agricultural Experiment Station)
- 1996-1999 Resource competition between swift foxes and coyotes in southeastern Colorado (\$104,300 - U.S. Army; USFWS; USGS-BRD; Berryman Institute and USU College of Natural Resources Graduate Fellowships to A. M. Kitchen)
- 1996-2001 Swift fox on the Piñon Canyon Maneuver Site, Colorado: population ecology and evaluation of survey methodologies (\$259,535 - U.S. Army; USFWS)

PUBLICATIONS

Total: 124 publications (105 in peer-reviewed journals, 18 book chapters, 1 extension manual). Authors in order of contribution (i.e., 1st, 2nd, 3rd...). Graduate students under my supervision denoted in italics.

Kluever, B. M., E. M. Gese, and S. J. Dempsey. 2017. Influence of free water availability on a desert carnivore and herbivore. *Current Zoology* (in press).

Poessel, S. A., E. M. Gese, and J. K. Young. 2017. Environmental factors influencing the occurrence of coyotes and conflicts in urban areas. *Landscape and Urban Planning* 157:259-269.

Gifford, S. J., E. M. Gese, and R. R. Parmenter. 2017. Space use and social ecology of coyotes (*Canis latrans*) in a high-elevation ecosystem: relative stability in a changing environment. *Journal of Ethology* 35(1):37-49.

Blake, L. W., and E. M. Gese. 2016. Cougar predation rates and prey consumption in the Pryor Mountains of Wyoming and Montana. *Northwest Science* 90(4):394-410.

Blackwell, B. F., T. L. DeVault, E. Fernández-Juricic, **E. M. Gese**, L. Gilbert-Norton, and S. W. Breck. 2016. No single solution: application of behavioural principles in mitigating human-wildlife conflict. *Animal Behaviour* 120:245-254.

Poessel, S. A., S. W. Breck, and E. M. Gese. 2016. Spatial ecology of coyotes in the Denver metropolitan area: influence of the urban matrix. *Journal of Mammalogy* 97(5):1414-1427.

Blake, L. W., and E. M. Gese. 2016. Resource selection by cougars: influence of behavioral state and season. *Journal of Wildlife Management* 80(7):1205-1217.

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(4):1209-1218.

Gese, E. M., P. A. Terletzky, and *S. M. C. Cavalcanti.* 2016. Identification of kill sites from GPS clusters for jaguars (*Panthera onca*) in the southern Pantanal, Brazil. *Wildlife Research* 43(2):130-139.

Lonsinger, R. C., **E. M. Gese**, R. N. Knight, T. R. Johnson, and L. P. Waits. 2016. Quantifying and correcting for scat removal in noninvasive carnivore scat surveys. *Wildlife Biology* 22(2):45-54.

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.

Gese, E. M., B. M. Roberts, and F. F. Knowlton. 2016. Nutritional effects on reproductive performance of captive adult female coyotes (*Canis latrans*). *Animal Reproduction Science* 165:69-75.

Wolfe, M. L., **E. M. Gese**, P. Terletzky, D. C. Stoner, and L. M. Aubry. 2016. Evaluation of harvest indices for monitoring cougar survival and abundance. *Journal of Wildlife Management* 80(1):27-36.

Dempsey, S. J., E. M. Gese, B. M. Kluever, R. C. Lonsinger, and L. P. Waits. 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):e0138995. doi:10.1371/journal.pone.0138995.

Lonsinger, R. C., **E. M. Gese**, and L. P. Waits. 2015. Evaluating the reliability of field identification and morphometric classifications for carnivore scats confirmed with genetic analysis. *Wildlife Society Bulletin* 39(3):593-602.

Gese, E. M., and P. A. Terletzky. 2015. Using the “placeholder” concept to reduce genetic introgression of an endangered carnivore. *Biological Conservation* 192:11-19.

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(1):75-82.

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(4):831-842.

Gese, E. M., F. F. Knowlton, J. R. Adams, K. Beck, T. K. Fuller, D. L. Murray, T. D. Steury, M. K. Stoskopf, W. T. Waddell, and L. P. Waits. 2015. Managing hybridization of a recovering endangered species: The red wolf *Canis rufus* as a case study. *Current Zoology* 61(1):191-205.

Wolfe, M. L., D. N. Koons, D. C. Stoner, P. Terletzky, **E. M. Gese**, D. M. Choate, and L. M. Aubry. 2015. Is anthropogenic cougar mortality compensated by changes in natural mortality in Utah? Insight from long-term studies. *Biological Conservation* 182:187-196.

Poessel, S. A., S. W. Breck, K. A. Fox, and E. M. Gese. 2015. Anticoagulant rodenticide exposure and toxicosis in coyotes (*Canis latrans*) in the Denver Metropolitan Area. *Journal of Wildlife Diseases* 51(1):265-268.

Dempsey, S. J., E. M. Gese, and B. M. Kluever. 2014. Finding a fox: an evaluation of survey methods to estimate abundance of a small desert carnivore. *PLoS ONE* 9(8):e105873. doi:10.1371/journal.pone.0105873.

Gese, E. M., and *C. M. Thompson.* 2014. Does habitat heterogeneity in a multi-use landscape influence survival rates and density of a native mesocarnivore? *PLoS ONE* 9(6):e100500. doi:10.1371/journal.pone.0100500.

Poessel, S. A., E. M. Gese, and J. K. Young. 2014. Influence of habitat structure and food on patch choice of captive coyotes. *Applied Animal Behaviour Science* 157:127-136.

Seidler, R. G., E. M. Gese, and M. M. Conner. 2014. Using sterilization to change predation rates of wild coyotes: a test case involving pronghorn fawns. *Applied Animal Behaviour Science* 154:83-92.

Dowd, J. L. B., E. M. Gese, and L. M. Aubry. 2014. Winter space use of coyotes in high-elevation environments: behavioral adaptations to deep-snow landscapes. *Journal of Ethology* 32(1):29-41.

Gese, E. M., *J. L. B. Dowd, and L. M. Aubry.* 2013. The influence of snowmobile trails on coyote movements during winter in high-elevation landscapes. *PLoS ONE* 8(12):e82862. doi:10.1371/journal.pone.0082862.

- Gluever, 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.
- Poessel, S. A., and E. M. Gese.* 2013. Den attendance patterns in swift foxes during pup rearing: varying degrees of parental investment within the breeding pair. *Journal of Ethology* 31(2):193-201.
- Thompson, C. M., and E. M. Gese.* 2013. Influence of vegetation structure on the small mammal community in a shortgrass prairie ecosystem. *Acta Theriologica* 58(1):55-61.
- Gese, E. M., P. A. Darrow, J. A. Shivik, B. A. Kimball, J. D. Eisemann, and J. K. Young.** 2012. Effectiveness of theobromine and caffeine mixtures in coyote lure operative devices as a predacide: a simulated field study. *Sheep and Goat Research Journal* 27:26-31.
- Mastro, L. L., **E. M. Gese**, J. K. Young, and J. A. Shivik. 2012. What do we know? A literature review of the eastern coyote. Pages 129-131 in *Proceedings of the 14th Wildlife Damage Management Conference*. Edited by S. N. Frey. Wildlife Damage Management Working Group, The Wildlife Society, Bethesda, Maryland (plus 180 page addendum).
- VerCauteren, K. C., R. A. Dolbeer, and **E. M. Gese.** 2012. Identification and management of wildlife damage. Pages 232-269 in *The Wildlife Techniques Manual, Volume 2: Management, 7th edition*. Edited by N. Silvy. John Hopkins University Press, Baltimore, Maryland.
- Gese, E. M., H. S. Cooley, and F. F. Knowlton.** 2012. Designing a monitoring plan. Pages 353-361 in *Carnivore Ecology and Management: A Handbook of Techniques*. Edited by L. Boitani and R. A. Powell. Oxford University Press, Oxford, United Kingdom.
- Wilson, R. R., L. Gilbert-Norton, and **E. M. Gese.** 2012. Beyond use versus availability: behaviour-explicit resource selection. *Wildlife Biology* 18(4):424-430.
- Dowd, J. L. B., and E. M. Gese.* 2012. Seasonal variation of coyote diet in northwestern Wyoming: implications for dietary overlap with Canada lynx? *Northwest Science* 86(4):289-299.
- Berg, N. D., E. M. Gese, J. R. Squires, and L. M. Aubry.* 2012. Influence of forest structure on the abundance of snowshoe hares in western Wyoming. *Journal of Wildlife Management* 76(7):1480-1488.
- Gese, E. M., P. S. Morey, and S. D. Gehrt.** 2012. Influence of the urban matrix on space use of coyotes in the Chicago Metropolitan Area. *Journal of Ethology* 30(3):413-425.
- Thompson, C. M., and E. M. Gese.* 2012. Swift foxes and ideal free distribution: relative influence of vegetation and rodent prey base on swift fox survival, density, and home range size. *International Scholarly Research Network (ISRN) Zoology* 2012, 8 pages, doi:10.5402/2012/197356.
- Seidler, R. G., and E. M. Gese.* 2012. Territory fidelity, space use, and survival rates of wild coyotes following surgical sterilization. *Journal of Ethology* 30(3):345-354.
- Kozlowski, A. J., E. M. Gese, and W. M. Arjo.* 2012. Effects of intraguild predation: evaluating resource competition between two canid species with apparent niche separation. *International Journal of Ecology* 2012, 12 pages, doi:10.1155/2012/629246.

- Berg, N. D., and E. M. Gese. 2010. Relationship between fecal pellet counts and snowshoe hare density in western Wyoming. *Journal of Wildlife Management* 74(8):1745-1751.
- Brummer, S. P., E. M. Gese, and J. A. Shivik. 2010. The effect of enclosure type on the behavior and heart rate of captive coyotes. *Applied Animal Behaviour Science* 125:171-180.
- Cavalcanti, S. M. C., and E. M. Gese. 2010. Kill rates and predation patterns of jaguars (*Panthera onca*) in the southern Pantanal, Brazil. *Journal of Mammalogy* 91(3):722-736.
- Atwood, T. C., and E. M. Gese. 2010. Importance of resource selection and social behavior to partitioning of hostile space by sympatric canids. *Journal of Mammalogy* 91(2):490-499.
- Cavalcanti, S. M. C., S. Marchini, A. Zimmermann, E. M. Gese, and D. W. Macdonald. 2010. Jaguars, livestock and people in Brazil: realities and perceptions behind the conflict. Pages 383-402 in *The Biology and Conservation of Wild Felids*. Edited by D. Macdonald and A. Loveridge. Oxford University Press, Oxford, United Kingdom.
- Carlson, D. A., and E. M. Gese. 2010. Integrity of mating behaviors and seasonal reproduction in coyotes (*Canis latrans*) following treatment with estradiol benzoate. *Animal Reproduction Science* 117:322-330.
- Cavalcanti, S. M. C., and E. M. Gese. 2009. Spatial ecology and social interactions of jaguars (*Panthera onca*) in the southern Pantanal, Brazil. *Journal of Mammalogy* 90(4):935-945.
- Carlson, D. A., and E. M. Gese. 2009. Influence of exogenous gonadotropin-releasing hormone on seasonal reproductive behavior of the coyote (*Canis latrans*). *Theriogenology* 72(6):773-783.
- Atwood, T. C., E. M. Gese, and K. E. Kunkel. 2009. Spatial partitioning of predation risk in a multiple-predator multiple-prey system. *Journal of Wildlife Management* 73(6):876-884.
- Shivik, J. A., G. L. Palmer, E. M. Gese, and B. Oshaus. 2009. Captive coyotes compared to their wild counterparts: does environmental enrichment help? *Journal of Applied Animal Welfare Science* 12:223-235.
- Carlson, D. A., and E. M. Gese. 2008. Reproductive biology of the coyote (*Canis latrans*): integration of mating behavior, reproductive hormones, and vaginal cytology. *Journal of Mammalogy* 89(3):654-664.
- Kozłowski, A. J., E. M. Gese, and W. M. Arjo. 2008. Niche overlap and resource partitioning between sympatric kit foxes and coyotes in the Great Basin Desert of western Utah. *American Midland Naturalist* 160(1):191-208.
- Berger, K. M., E. M. Gese, and J. Berger. 2008. Indirect effects and traditional trophic cascades: a test involving wolves, coyotes, and pronghorn. *Ecology* 89(3):818-828.
- Atwood, T. C., and E. M. Gese. 2008. Coyotes and recolonizing wolves: social rank mediates risk-conditional behaviour at ungulate carcasses. *Animal Behaviour* 75(3):753-762.

Karki, S. M., **E. M. Gese**, and M. L. Klavetter. 2007. Effects of coyote population reduction on swift fox demographics in southeastern Colorado. *Journal of Wildlife Management* 71(8):2707-2718.

Arjo, W. M., **E. M. Gese**, T. J. Bennett, and A. J. Kozlowski. 2007. Changes in kit fox-coyote-prey relationships in the Great Basin Desert, Utah. *Western North American Naturalist* 67(3):389-401.

Berger, K. M., and **E. M. Gese**. 2007. Does interference competition with wolves limit the distribution and abundance of coyotes? *Journal of Animal Ecology* 76(6):1075-1085.

Carlson, D. A., and **E. M. Gese**. 2007. Relaxin as a diagnostic tool for pregnancy in the coyote (*Canis latrans*). *Animal Reproduction Science* 101:304-312.

Morey, P. S., **E. M. Gese**, and S. Gehrt. 2007. Spatial and temporal variation in the diet of coyotes in the Chicago metropolitan area. *American Midland Naturalist* 158(1):147-161.

Atwood, T. C., **E. M. Gese**, and K. E. Kunkel. 2007. Comparative patterns of predation by cougars and recolonizing wolves in Montana's Madison Range. *Journal of Wildlife Management* 71(4):1098-1106.

Thompson, C. M., and **E. M. Gese**. 2007. Food webs and intraguild predation: community interactions of a native mesocarnivore. *Ecology* 88(2):334-346.

Gese, E. M. 2006. Depredation management techniques for coyotes and wolves in North America: lessons learned and possible application to Brazilian carnivores. Pages 193-214 *in* Manejo e Conservação de Carnívoros Neotropicais. *Edited by* R. G. Morato, F. H. G. Rodrigues, E. Eizirik, P. R. Mangini, F. C. C. Azevedo, and J. Marinho-Filho. Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis, Sao Paulo, Brazil.

Kitchen, A. M., **E. M. Gese**, and S. G. Lupis. 2006. Multiple scale winter den site selection of swift foxes (*Vulpes velox*) in southeastern Colorado. *Canadian Field Naturalist* 120(1):31-38.

Gese, E. M. 2006. The mesocarnivores of Yellowstone National Park: observed and potential responses to wolf reintroduction. Pages 90-97 (Japanese) and 256-262 (English) *in* Wildlife in Shiretoko and Yellowstone National Parks: Lessons in Wildlife Conservation from Two World Heritage Sites. *Edited by* D. R. McCullough, K. Kaji, and M. Yamanaka. Shiretoko Nature Foundation, Hokkaido, Japan.

Chavez, A. S., and **E. M. Gese**. 2006. Landscape use and movements of wolves in relation to livestock in a wildland-agriculture matrix. *Journal of Wildlife Management* 70(4):1079-1086.

Kitchen, A. M., **E. M. Gese**, L. P. Waits, S. M. Karki, and E. R. Schauster. 2006. Multiple breeding strategies in the swift fox, *Vulpes velox*. *Animal Behaviour* 71(5):1029-1038.

Stoskopf, M. K., K. Beck, B. B. Fazio, T. K. Fuller, **E. M. Gese**, B. T. Kelly, F. F. Knowlton, D. L. Murray, W. Waddell, and L. Waits. 2005. Implementing recovery of the red wolf – integrating research scientists and managers. *Wildlife Society Bulletin* 33(3):1145-1152.

Kitchen, A. M., **E. M. Gese**, L. P. Waits, S. M. Karki, and E. R. Schauster. 2005. Genetic and spatial

structure within a swift fox population. *Journal of Animal Ecology* 74(6):1173-1181.

Gese, E. M. 2005. Demographic and spatial responses of coyotes to changes in food and exploitation. Pages 271-285 in *Proceedings of the 11th Wildlife Damage Management Conference*. Edited by D. L. Nolte and K. A. Fagerstone. Wildlife Damage Management Working Group, The Wildlife Society, Bethesda, Maryland.

VerCauteren, K. C., R. A. Dolbeer, and **E. M. Gese**. 2005. Identification and management of wildlife damage. Pages 740-778 in *Techniques for Wildlife Investigations and Management*, 6th edition. Edited by C. E. Braun. The Wildlife Society, Bethesda, Maryland.

Chavez, A. S., E. M. Gese, and R. S. Krannich. 2005. Attitudes of rural landowners towards wolves in northwestern Minnesota. *Wildlife Society Bulletin* 33(2):517-527.

Gese, E. M., S. P. Keenan, and A. M. Kitchen. 2005. Lines of defense: coping with predators in the Rocky Mountain region. Utah State University Cooperative Extension Service, Utah State University, Logan, Utah. 33 pages.

Chavez, A. S., and E. M. Gese. 2005. Food habits of wolves in relation to livestock depredations in northwestern Minnesota. *American Midland Naturalist* 154(1):253-263.

Kitchen, A. M., E. M. Gese, S. M. Karki, and E. R. Schauster. 2005. Spatial ecology of swift fox social groups: from group formation to mate loss. *Journal of Mammalogy* 86(3):547-554.

Kamler, J. F., W. B. Ballard, **E. M. Gese**, R. L. Harrison, *S. Karki*, and K. Mote. 2004. Adult male emigration and a female-based social organization in swift foxes, *Vulpes velox*. *Animal Behaviour* 67(4):699-702.

Gese, E. M. 2004. Coyotes in Yellowstone National Park: the influence of dominance on foraging, territoriality, and fitness. Pages 271-283 in *The Biology and Conservation of Wild Canids*. Edited by D. W. Macdonald and C. Sillero-Zubiri. Oxford University Press, Oxford, United Kingdom.

Gese, E. M., and M. Bekoff. 2004. Coyote, *Canis latrans*. Pages 81-87 in *Canids: Foxes, Wolves, Jackals, and Dogs, Status Survey and Conservation Action Plan*, 2nd edition. Edited by C. Sillero-Zubiri, M. Hoffmann, and D. W. Macdonald. IUCN/SSC Canid Specialist Group, Gland, Switzerland, and Cambridge, United Kingdom.

Gese, E. M. 2004. Survey and census techniques for canids. Pages 273-279 in *Canids: Foxes, Wolves, Jackals, and Dogs, Status Survey and Conservation Action Plan*, 2nd edition. Edited by C. Sillero-Zubiri, M. Hoffmann, and D. W. Macdonald. IUCN/SSC Canid Specialist Group, Gland, Switzerland, and Cambridge, United Kingdom.

Gese, E. M., S. M. Karki, M. L. Klavetter, E. R. Schauster, and A. M. Kitchen. 2004. Serologic survey for canine infectious diseases among sympatric swift foxes (*Vulpes velox*) and coyotes (*Canis latrans*) in southeast Colorado. *Journal of Wildlife Diseases* 40(4):740-747.

Kamler, J. F., W. B. Ballard, **E. M. Gese**, R. L. Harrison, and *S. M. Karki*. 2004. Dispersal characteristics of swift foxes. *Canadian Journal of Zoology* 82(12):1837-1842.

Arjo, W. M., **E. M. Gese**, C. Bromley, A. Kozlowski, and E. S. Williams. 2003. Serologic survey for diseases in free-ranging coyotes (*Canis latrans*) from two ecologically distinct areas of Utah. *Journal of Wildlife Diseases* 39(2):449-455.

Andersen, D. E., T. R. Laurion, J. R. Cary, R. S. Sikes, M. A. McLeod, and **E. M. Gese**. 2003. Aspects of swift fox ecology in southeastern Colorado. Pages 139-148 in *Ecology and Conservation of Swift Foxes in a Changing World*. Edited by M. A. Sovada and L. N. Carbyn. Canadian Plains Research Center, University of Regina, Saskatchewan, Canada.

Gese, E. M. 2003. Management of carnivore predation as a means to reduce livestock losses: the study of coyotes (*Canis latrans*) in North America. Pages 85-102 in *1st Workshop sobre Pesquisa e Conservação de Carnívoros Neotropicals*, Atibaia, Brasil.

Bekoff, M., and **E. M. Gese**. 2003. Coyote (*Canis latrans*). Pages 467-481 in *Wild Mammals of North America: Biology, Management, and Conservation*, 2nd edition. Edited by G. A. Feldhamer, B. C. Thompson, and J. A. Chapman. Johns Hopkins University Press, Baltimore, Maryland.

Kozlowski, A. J., T. J. Bennett, **E. M. Gese**, and W. M. Arjo. 2003. Live capture of denning mammals using an improved box trap enclosure: kit foxes as a test case. *Wildlife Society Bulletin* 31(3):630-633.

Schauster, E. R., **E. M. Gese**, and A. M. Kitchen. 2002. Population ecology of swift foxes (*Vulpes velox*) in southeastern Colorado. *Canadian Journal of Zoology* 80(2):307-319.

Schauster, E. R., **E. M. Gese**, and A. M. Kitchen. 2002. An evaluation of survey methods for monitoring swift fox abundance. *Wildlife Society Bulletin* 30(2):464-477.

Gese, E. M. 2001. Territorial defense by coyotes (*Canis latrans*) in Yellowstone National Park, Wyoming: who, how, where, when, and why. *Canadian Journal of Zoology* 79(6):980-987.

Bromley, C., and **E. M. Gese**. 2001. Effects of sterilization on territory fidelity and maintenance, pair bonds, and survival rates of free-ranging coyotes. *Canadian Journal of Zoology* 79(3):386-392.

Gese, E. M. 2001. Monitoring of terrestrial carnivore populations. Pages 372-396 in *Carnivore Conservation*. Edited by J. L. Gittleman, S. M. Funk, D. W. Macdonald, and R. K. Wayne. Cambridge University Press, London, United Kingdom.

Gese, E. M., and F. F. Knowlton. 2001. The role of predation in wildlife population dynamics. Pages 7-25 in *The Role of Predator Control as a Tool in Game Management*. Edited by T. F. Ginnett and S. E. Henke. Texas Agricultural Research and Extension Center, San Angelo, Texas.

Bromley, C., and **E. M. Gese**. 2001. Surgical sterilization as a method of reducing coyote predation on domestic sheep. *Journal of Wildlife Management* 65(3):510-519.

Shivik, J. A., and **E. M. Gese**. 2000. Territorial significance of home range estimators for coyotes. *Wildlife Society Bulletin* 28(4):940-946.

Kitchen, A. M., **E. M. Gese**, and E. R. Schauster. 2000. Changes in coyote activity patterns due to

reduced exposure to human persecution. *Canadian Journal of Zoology* 78(5):853-857.

Kitchen, A. M., E. M. Gese, and E. R. Schauster. 2000. Long-term spatial stability of coyote (Canis latrans) home ranges in southeastern Colorado. Canadian Journal of Zoology 78(3):458-464.

Knowlton, F. F., **E. M. Gese**, and M. M. Jaeger. 1999. Coyote depredation control: an interface between biology and management. *Journal of Range Management* 52(5):398-412.

Kitchen, A. M., E. M. Gese, and E. R. Schauster. 1999. Resource partitioning between coyotes and swift foxes: space, time, and diet. Canadian Journal of Zoology 77(10):1645-1656.

Gese, E. M. 1999. Threat of predation: do ungulates behave aggressively towards different members of a coyote pack? *Canadian Journal of Zoology* 77(3):499-503.

DeLiberto, T. J., **E. M. Gese**, F. F. Knowlton, J. R. Mason, M. R. Conover, L. Miller, R. H. Schmidt, and M. K. Holland. 1998. Fertility control in coyotes: is it a potential management tool? Pages 144-149 in *Proceedings of the 18th Vertebrate Pest Conference. Edited by R. O. Baker and A. C. Crabb.* University of California, Davis, California.

Gese, E. M. 1998. Response of neighboring coyotes (*Canis latrans*) to social disruption in an adjacent pack. *Canadian Journal of Zoology* 76(10):1960-1963.

Gese, E. M., and R. L. Ruff. 1998. Howling by coyotes (*Canis latrans*): variation among social classes, seasons, and pack sizes. *Canadian Journal of Zoology* 76(6):1037-1043.

Gese, E. M., and R. L. Ruff. 1997. Scent-marking by coyotes (*Canis latrans*): the influence of social and ecological factors. *Animal Behaviour* 54(5):1155-1166.

Gese, E. M., R. D. Schultz, M. R. Johnson, E. S. Williams, R. L. Crabtree, and R. L. Ruff. 1997. Serological survey for diseases in free-ranging coyotes (*Canis latrans*) in Yellowstone National Park, Wyoming. *Journal of Wildlife Diseases* 33(1):47-56.

Gese, E. M., R. L. Ruff, and R. L. Crabtree. 1996. Social and nutritional factors influencing the dispersal of resident coyotes. *Animal Behaviour* 52(5):1025-1043.

Gese, E. M., R. L. Ruff, and R. L. Crabtree. 1996. Intrinsic and extrinsic factors influencing coyote predation of small mammals in Yellowstone National Park. *Canadian Journal of Zoology* 74(5):784-797.

Gese, E. M., R. L. Ruff, and R. L. Crabtree. 1996. Foraging ecology of coyotes (*Canis latrans*): the influence of extrinsic factors and a dominance hierarchy. *Canadian Journal of Zoology* 74(5):769-783.

Gese, E. M., T. E. Stotts, and S. Grothe. 1996. Interactions between coyotes and red foxes in Yellowstone National Park, Wyoming. *Journal of Mammalogy* 77(2):377-382.

Gese, E. M., and S. Grothe. 1995. Analysis of coyote predation on deer and elk during winter in Yellowstone National Park, Wyoming. *American Midland Naturalist* 133(1):36-43.

Knowlton, F. F., and **E. M. Gese**. 1995. Coyote population processes revisited. Pages 1-6 in *Coyotes in the Southwest: A Compendium of Our Knowledge*. Edited by D. Rollins, C. Richardson, T. Blankenship, K. Canon, and S. Henke. Texas Parks and Wildlife Department, Austin, Texas.

Gese, E. M., and D. E. Andersen. 1993. Success and cost of capturing coyotes, *Canis latrans*, from all-terrain-vehicles. *Canadian Field-Naturalist* 107(1):112-114.

Mech, L. D., and **E. M. Gese**. 1992. Field testing the Wildlink capture collar on wolves. *Wildlife Society Bulletin* 20(2):221-223.

DelGiudice, G. D., L. D. Mech, K. E. Kunkel, **E. M. Gese**, and U. S. Seal. 1992. Seasonal patterns of weight, hematology, and serum characteristics of free-ranging female white-tailed deer in Minnesota. *Canadian Journal of Zoology* 70(5):974-983.

Gese, E. M., and L. D. Mech. 1991. Dispersal of wolves (*Canis lupus*) in northeastern Minnesota, 1969-1989. *Canadian Journal of Zoology* 69(12):2946-2955.

Kunkel, K. E., R. C. Chapman, L. D. Mech, and **E. M. Gese**. 1991. Testing the Wildlink activity detection system on wolves and white-tailed deer. *Canadian Journal of Zoology* 69(9):2466-2469.

Gese, E. M., R. D. Schultz, O. J. Rongstad, and D. E. Andersen. 1991. Prevalence of antibodies against canine parvovirus and canine distemper virus in wild coyotes in southeastern Colorado. *Journal of Wildlife Diseases* 27(2):320-323.

Gese, E. M., D. E. Andersen, and O. J. Rongstad. 1990. Determining home-range size of resident coyotes from point and sequential locations. *Journal of Wildlife Management* 54(3):501-506.

Gese, E. M. 1990. Reproductive activity in an old-age coyote in southeastern Colorado. *Southwestern Naturalist* 35(1):101-102.

Gese, E. M., O. J. Rongstad, and W. R. Mytton. 1989. Changes in coyote movements due to military activity. *Journal of Wildlife Management* 53(2):334-339.

Gese, E. M., O. J. Rongstad, and W. R. Mytton. 1989. Population dynamics of coyotes in southeastern Colorado. *Journal of Wildlife Management* 53(1):174-181.

Gese, E. M., O. J. Rongstad, and W. R. Mytton. 1988. Relationship between coyote group size and diet in southeastern Colorado. *Journal of Wildlife Management* 52(4):647-653.

Gese, E. M., O. J. Rongstad, and W. R. Mytton. 1988. Home range and habitat use of coyotes in southeastern Colorado. *Journal of Wildlife Management* 52(4):640-646.

Gese, E. M., O. J. Rongstad, and W. R. Mytton. 1987. Manual and net-gun capture of coyotes from helicopters. *Wildlife Society Bulletin* 15:444-445.

Van Auken, O. W., **E. M. Gese**, and K. Connors. 1985. Fertilization response of early and late successional species: *Acacia smallii* and *Celtis laevigata*. *Botanical Gazette* 146(4):564-569.

PRESENTATIONS AT PROFESSIONAL CONFERENCES & MEETINGS

Total: 110 presentations. Authors in order of contribution (i.e., 1st, 2nd, 3rd...). Graduate students under my supervision denoted in italics.

Panting, B., **E. M. Gese**, M. Conner, and S. Bergen. 2016. Environmental constraints on pronghorn neonate survival across Idaho. 27th Biennial Pronghorn Workshop, Anaconda, Montana.

Lonsinger, R. C., **E. M. Gese**, L. L. Bailey, and L. P. Waits. 2016. The roles of habitat and intraguild predation on the spatial dynamics of a subordinate mesocarnivore. 23rd Annual Conference, The Wildlife Society, Raleigh, North Carolina.

Pigage, H. K., *B. M. Kluever*, J. C. Pigage, and **E. M. Gese**. 2016. Fleas of kit foxes (*Vulpes macrotis*) at Dugway Proving Ground, Utah. 96th Annual Meeting of the American Society of Mammalogists, Minneapolis, Minnesota.

Lillie, K. M., **E. M. Gese**, T. C. Atwood, and S. A. Sonsthagen. 2016. Socially learned on-shore behavior for the Southern Beaufort Sea polar bear (*Ursus maritimus*) population. 24th International Conference on Bear Research and Management, Anchorage, Alaska.

Gese, E. M. 2016. Livestock guardian dog research. Nonlethal tools workshop: ranching with wolves and other large predators, McArthur, California.

Gese, E. M. 2016. Nonlethal tools and methods. Nonlethal tools workshop: ranching with wolves and other large predators, McArthur, California.

Poessel, S. A., **E. M. Gese**, and J. K. Young. 2015. Environmental factors influencing the occurrence of coyotes and conflicts in urban areas. 22th Annual Conference, The Wildlife Society, Winnipeg, Manitoba.

Poessel, S. A., S. W. Breck, and **E. M. Gese**. 2015. Spatial ecology of coyotes in the Denver metropolitan area: influence of the urban matrix. International Urban Wildlife Conference, Chicago, Illinois.

Smith, T. N., *B. M. Kluever*, and **E. M. Gese**. 2015. The influence of cheatgrass (*Bromus tectorum*) on the small mammal community at the U.S. Army Dugway Proving Grounds, Utah. Annual meeting, Utah Chapter of The Wildlife Society, Moab, Utah.

Kluever, B. M., **E. M. Gese**, and R. N. Knight. 2015. The influence of wildlife water developments on a rodent community in the Great Basin Desert. Annual meeting, Utah Chapter of The Wildlife Society, Moab, Utah.

Blake, L. W., and **E. M. Gese**. 2014. Foraging patterns of cougars in the Pryor Mountains of Wyoming and Montana. 11th Mountain Lion Workshop, Cedar City, Utah.

Blake, L. W., and **E. M. Gese**. 2014. Predation-specific resource selection by cougars in the Pryor Mountains of Wyoming and Montana. 11th Mountain Lion Workshop, Cedar City, Utah.

- Alexander, P., E. M. Gese, H. Quigley, D. Thompson, and M. Elbroch.* 2014. Camera trapping vs radio-telemetry: a comparison of noninvasive and invasive methods for monitoring cougar populations. 11th Mountain Lion Workshop, Cedar City, Utah.
- Wolfe, M. L., E. M. Gese, P. Terletzky, D. C. Stoner, and L. M. Aubry.* 2014. Evaluation of harvest indices currently used for cougar management in Utah: Oquirrh-Stansbury and Monroe units as case studies. 11th Mountain Lion Workshop, Cedar City, Utah.
- Wolfe, M. L., D. C. Stoner, E. M. Gese, P. Terletzky, D. M. Choate, D. N. Koons, and L. M. Aubry.* 2014. Compensation and additivity in cougar mortality: learning from heavily and lightly harvested populations. 11th Mountain Lion Workshop, Cedar City, Utah.
- Gese, E. M.** 2014. Species interactions and competition among carnivores. Upper Tanana Cooperative Management and Research meeting, Tok, Alaska.
- Lonsinger, R. C., E. M. Gese, and L. P. Waits.* 2014. Balancing scat deposition and fecal DNA degradation rates to optimize concurrent noninvasive genetic sampling of intraguild predator and prey species. Gordon Research Conferences: Predator-Prey Interactions, Ventura, California.
- Lonsinger, R. C., E. M. Gese, and L. P. Waits.* 2013. Balancing scat deposition rates and fecal DNA degradation rates to optimize noninvasive genetic sampling of carnivores. 20th Annual Conference, The Wildlife Society, Milwaukee, Wisconsin.
- Dempsey, S. J., E. M. Gese, B. M. Kluever, and R. N. Knight.* 2013. Finding a fox: an evaluation of detection methods for a small desert carnivore. 4th Annual meeting, DoD Integrated Natural Resource Management Plan, Salt Lake City, Utah.
- 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. Annual meeting, Utah Chapter of The Wildlife Society, Bryce Canyon, Utah.
- Dempsey, S. J., E. M. Gese, B. M. Kluever, and R. N. Knight.* 2013. Finding a fox: an evaluation of detection methods for a small desert carnivore. Annual meeting, Utah Chapter of The Wildlife Society, Bryce Canyon, Utah.
- Mahoney, P. J., J. K. Young, D. C. Stoner, J. A. Shivik, S. M. C. Cavalcanti, and E. M. Gese.* 2013. Find that cache: identifying predation events through clustered GPS data. Annual meeting, Utah Chapter of The Wildlife Society, Bryce Canyon, Utah.
- Kluever, B. M., E. M. Gese, S. J. Dempsey, and R. N. Knight.* 2012. A comparison of methods for monitoring kit foxes at den sites. 19th Annual Conference, The Wildlife Society, Portland, Oregon.
- Dempsey, S. J., E. M. Gese, B. M. Kluever, and R. N. Knight.* 2012. Evaluation of detection methods for kit foxes on the U.S. Army Dugway Proving Ground, Utah. 19th Annual Conference, The Wildlife Society, Portland, Oregon.

- Gese, E. M., J. L. B. Dowd,** and L. M. Aubry. 2012. Coyote movements in lynx winter habitat: the potential influence of snowmobile trails on interspecific competition. 19th Annual Conference, The Wildlife Society, Portland, Oregon.
- Poessel, S. A.,* and **E. M. Gese.** 2012. Behavior of adult swift foxes during pup rearing: varying degrees of parental investment amongst breeding pairs. 19th Annual Conference, The Wildlife Society, Portland, Oregon.
- Young, J. K., S. Breck, and **E. M. Gese.** 2012. Reducing conflict and increasing ecological knowledge of urban carnivores. 4th International Wildlife Management Conference, Durban, South Africa.
- Dempsey, S. J.,* and **E. M. Gese.** 2012. Research update: evaluation of kit fox survey methods and development of an occupancy model for kit foxes. 3rd Annual meeting, DoD Integrated Natural Resource Management Plan, Salt Lake City, Utah.
- Kluever, B. M.,* and **E. M. Gese.** 2012. Research update: water manipulation for kit fox and coyote project on the Dugway Proving Ground. 3rd Annual meeting, DoD Integrated Natural Resource Management Plan, Salt Lake City, Utah.
- Blake, L.,* and **E. M. Gese.** 2011. Predation patterns of mountain lions (*Puma concolor*) in Bighorn Canyon National Recreation Area and vicinity. Annual Meeting, Wyoming Chapter of The Wildlife Society, Jackson, Wyoming.
- Gifford, S., E. M. Gese,* R. R. Parmenter, and M. A. Peyton. 2011. Coyote food habits on the Valles Caldera National Preserve, New Mexico. 18th Annual Conference, The Wildlife Society, Waikoloa, Hawaii.
- Mastro, L. L., **E. M. Gese,** J. K. Young and J. A. Shivik. 2011. What do we know? A literature review of the eastern coyote. 14th Wildlife Damage Management Conference, Nebraska City, Nebraska.
- Dempsey, S. J., E. M. Gese,* R. N. Knight, *B. M. Kluever,* and A. E. Hodge. 2011. Evaluation of detection methods and development of an occupancy model for kit foxes on the U.S. Army Dugway Proving Ground, Utah: preliminary findings. Intermountain Graduate Research Symposium, Logan, Utah.
- Dempsey, S. J.,* and **E. M. Gese.** 2011. Research update: evaluation of kit fox survey methods and development of an occupancy model for kit foxes. 2nd Annual meeting, DoD Integrated Natural Resource Management Plan, Salt Lake City, Utah.
- Kluever, B. M.,* and **E. M. Gese.** 2011. Research update: water manipulation for kit fox and coyote project on the Dugway Proving Ground. 2nd Annual meeting, DoD Integrated Natural Resource Management Plan, Salt Lake City, Utah.
- Gese, E. M.,** and S. Breck. 2010. Lethal and non-lethal techniques for depredation management of large carnivores. Invited workshop presentation, 17th Annual Conference, The Wildlife Society, Snowbird, Utah.
- Gese, E. M.,** and *S. M. C. Cavalcanti.* 2010. Kill rates and predation patterns of jaguars in southern

Brazil. 17th Annual Conference, The Wildlife Society, Snowbird, Utah.

Cluever, 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 at the U.S. Army Dugway Proving Ground, Utah. 17th Annual Conference, The Wildlife Society, Snowbird, Utah.

Seidler, R., E. M. Gese, and M. M. Conner. 2010. Surgical sterilization of coyotes offers a non-lethal alternative. 24th Biennial Pronghorn Workshop, Laramie, Wyoming.

Gese, E. M., and C. M. Thompson. 2009. Influence of predation and landscape characteristics on swift fox ecology. Carnivores 2009 Conference, Denver, Colorado.

Berg, N. D., E. M. Gese, and J. R. Squires. 2009. Relationships between forest structure and abundance of lynx prey species in western Wyoming. Western Forest Carnivore Conference, Missoula, Montana.

Gese, E. M., and C. M. Thompson. 2009. Food web interactions and intraguild predation: influence of landscape, predators, and prey on a native mesocarnivore. 10th International Mammalogical Congress, Mendoza, Argentina.

Terletzky, P., and E. M. Gese. 2009. Estimating coyote numbers across Wyoming, USA: a geospatial and demographic approach. 10th International Mammalogical Congress, Mendoza, Argentina.

Seidler, R., E. M. Gese, and M. M. Conner. 2009. Surgical sterilization of coyotes: can it change pronghorn fawn survival? Annual Meeting, Colorado Chapter of The Wildlife Society, Grand Junction, Colorado.

Gese, E. M., and S. M. C. Cavalcanti. 2008. Foraging ecology of jaguars in the southern Pantanal, Brazil: kill rates, predation patterns, and species killed. 9th Mountain Lion Workshop, Sun Valley, Idaho.

Thompson, C. M., and E. M. Gese. 2005. Influences of habitat heterogeneity on swift fox population ecology in southeastern Colorado. 12th Annual Conference, The Wildlife Society, Madison, Wisconsin.

Kitchen, A. M., E. M. Gese, L. P. Waits, S. M. Karki, and E. R. Schauster. 2005. Social and spatial ecology of swift fox in southeastern Colorado. 12th Annual Conference, The Wildlife Society, Madison, Wisconsin.

Joyce, E. M., and E. M. Gese. 2005. Survival of neonatal swift fox (*Vulpes velox*) pups in southeastern Colorado. 12th Annual Conference, The Wildlife Society, Madison, Wisconsin.

Atwood, T. C., E. M. Gese, and K. Kunkel. 2005. Coyote scavenging behavior in Montana's Madison Range: who's afraid of the big bad wolf? 12th Annual Conference, The Wildlife Society, Madison, Wisconsin.

Berger, K., and E. M. Gese. 2005. Predation and pronghorn fawn survival: management and conservation implications. 12th Annual Conference, The Wildlife Society, Madison, Wisconsin.

Terletzky, P. A., A. S. Chavez, and E. M. Gese. 2005. Computer simulation of wolf movements in an agricultural-wildland interface in northwestern Minnesota. 9th International Mammalogical Congress, Sapporo, Japan.

Gese, E. M. 2005. Behavioral and numerical responses of coyotes to reintroduced wolves in Yellowstone National Park. 9th International Mammalogical Congress, Sapporo, Japan.

Cavalcanti, S. M. C., and E. M. Gese. 2005. Factors influencing livestock depredation by jaguars in the southern Pantanal, Brazil. 19th Annual Conference, Society for Conservation Biology, Brasilia, Brazil.

Thompson, C. M., and E. M. Gese. 2005. Population regulation of a mesocarnivore: relative influence of landscape, predators, and prey. 90th Annual Conference, Ecological Society of America, Montreal, Canada.

Atwood, T. C., E. M. Gese, and K. E. Kunkel. 2005. Relative contributions of prey physical condition and habitat structure to predation by cougars and wolves in southwest Montana. Annual Conference, Montana Chapter of the Wildlife Society, Helena, Montana.

Gese, E. M. 2005. Demographic and spatial responses of coyotes to changes in food and exploitation. 11th Wildlife Damage Management Conference, Traverse City, Michigan.

Atwood, T. C., E. M. Gese, and K. E. Kunkel. 2004. Relative contributions of prey physical condition and habitat structure to predation by cougars and wolves in southwest Montana. Carnivores 2004 Conference, Santa Fe, New Mexico.

Tegt, J. L., W. C. Pitt, E. M. Gese, and F. F. Knowlton. 2004. Kinship recognition among coyotes using olfactory cues. Carnivores 2004 Conference, Santa Fe, New Mexico.

Gese, E. M. 2003. Management of carnivore predation as a means to reduce livestock losses – the study of coyotes (*Canis latrans*) in North America. 1st Workshop on Research and Conservation of Neotropical Carnivores, Atibaia, Brazil.

Morey, P. S., E. M. Gese, S. D. Gehrt, and C. Anchor. 2003. Food utilization by coyotes in the suburbs of Chicago. 10th Annual Conference, The Wildlife Society, Burlington, Vermont.

Morey, P. S., E. M. Gese, S. D. Gehrt, and C. Anchor. 2003. Landscape use by coyotes in the suburbs of Chicago. 10th Annual Conference, The Wildlife Society, Burlington, Vermont.

Gese, E. M. 2003. Demographic and spatial responses of coyotes to increased food and exploitation in southeastern Colorado. 3rd International Wildlife Management Congress, Christchurch, New Zealand.

Arjo, W. M., and E. M. Gese. 2003. Coyotes of Glacier and Yellowstone: the influence of predator-prey assemblages. 3rd International Wildlife Management Congress, Christchurch, New Zealand.

Kitchen, A. M., E. M. Gese, S. M. Karki, and E. R. Schauster. 2003. Social and spatial ecology of the swift fox (*Vulpes velox*). 3rd International Wildlife Management Congress, Christchurch, New Zealand.

Zealand.

Kitchen, A. M., E. M. Gese, S. M. Karki, and E. R. Schauster. 2002. Genetic relatedness and spatial ecology of the swift fox (*Vulpes velox*). Carnivores 2002 Conference, Monterey, California.

Karki, S. M., and E. M. Gese. 2002. Effect of coyote removal on swift fox population ecology. Carnivores 2002 Conference, Monterey, California.

Kozlowski, A., and E. M. Gese. 2002. The challenges of determining habitat preference for a declining kit fox (*Vulpes macrotis*) population. Carnivores 2002 Conference, Monterey, California.

Gehrt, S. D., P. Morey, C. Anchor, and E. M. Gese. 2002. Coyote movements, spatial organization and landscape use in the Chicago region. Carnivores 2002 Conference, Monterey, California.

Kozlowski, A., and E. M. Gese. 2002. Spatial avoidance strategies and their role in shaping the distribution of kit fox (*Vulpes macrotis*) and coyote (*Canis latrans*) on Dugway Proving Ground, Utah. Annual Meeting, Utah Chapter of The Wildlife Society, Cedar City, Utah.

Bromley, C., and E. M. Gese. 2001. Surgical sterilization as a technique for reducing coyote predation on domestic sheep. Annual Meeting, Colorado Chapter of The Wildlife Society, Grand Junction, Colorado.

Gese, E. M., S. M. Karki, A. M. Kitchen, and E. R. Schauster. 2001. Swift fox and coyote research on the Pinon Canyon Maneuver Site, Colorado. 66th North American Wildlife and Natural Resources Conference, Washington, D.C.

Gese, E. M., and F. F. Knowlton. 2001. The role of predation in wildlife population dynamics. Symposium: The Role of Predator Control as a Tool in Game Management. Kerrville, Texas.

Kitchen, A. M., and E. M. Gese. 2001. Spatial ecology and genetic relatedness of swift foxes in southeastern Colorado. 9th Biennial Symposium, Welder Wildlife Foundation, Sinton, Texas.

Karki, S. M., and E. M. Gese. 2001. Effect of coyote removal on swift fox population ecology. 8th Annual Conference, The Wildlife Society, Reno, Nevada.

Kozlowski, A., and E. M. Gese. 2001. Prey relationships and their mediating effect on kit fox (*Vulpes macrotis*) and coyote (*Canis latrans*) spatial interactions on Dugway Proving Ground, Utah. 8th Annual Conference, The Wildlife Society, Reno, Nevada.

Kitchen, A. M., E. M. Gese, and E. R. Schauster. 2000. Resource partitioning between swift foxes and coyotes: space, time, and diet. 36th Conference, Western Section, The Wildlife Society, Riverside, California.

Chavez, A. S., and E. M. Gese. 2000. Ecological relationships between timber wolves, *Canis lupus*, and agriculture at Agassiz National Wildlife Refuge, northwestern Minnesota. Beyond 2000: Realities of Global Wolf Restoration, Duluth, Minnesota.

Chavez, A. S., and E. M. Gese. 2000. Ecological relationships between timber wolves, *Canis lupus*, and agriculture at Agassiz National Wildlife Refuge, northwestern Minnesota. 12th North American Interagency Wolf Conference, Chico Hot Springs, Montana.

Bromley, C., and E. M. Gese. 2000. Sterilization as a method of reducing coyote predation on domestic sheep. 7th Annual Conference, The Wildlife Society, Nashville, Tennessee.

Schauster, E. R., E. M. Gese, and A. M. Kitchen. 2000. Population ecology of swift foxes in southeastern Colorado. 7th Annual Conference, The Wildlife Society, Nashville, Tennessee.

Chavez, A. S., and E. M. Gese. 2000. Interactions between timber wolves, *Canis lupus*, and agriculture in northwestern Minnesota. 7th Annual Conference, The Wildlife Society, Nashville, Tennessee.

Gese, E. M. 2000. Response of coyotes to increased food and exploitation: a comparison of two populations. Carnivores 2000 Conference, Denver, Colorado.

Schauster, E. R., E. M. Gese, and A. M. Kitchen. 2000. Population ecology of swift foxes in southeastern Colorado. Carnivores 2000 Conference, Denver, Colorado.

Bromley, C., and E. M. Gese. 2000. Sterilization as a method of reducing coyote predation on domestic sheep. Carnivores 2000 Conference, Denver, Colorado.

Chavez, A. S., and E. M. Gese. 2000. Interactions between timber wolves and agriculture in northwestern Minnesota. Carnivores 2000 Conference, Denver, Colorado.

Kitchen, A. M., E. M. Gese, and E. R. Schauster. 2000. Interactions between swift foxes and coyotes in southeastern Colorado. Carnivores 2000 Conference, Denver, Colorado.

Kitchen, A. M., and E. M. Gese. 1999. Resource partitioning between swift foxes and coyotes. 6th Annual Conference, The Wildlife Society, Austin, Texas.

Gese, E. M. 1999. Mechanisms of territorial defense by coyotes: scent-marking, howling, and confrontation. 6th Annual Conference, The Wildlife Society, Austin, Texas.

Gese, E. M. 1998. Coyote behavior and research. Utah Woolgrowers and Cattlemen Conference, Salt Lake City, Utah.

Schauster, E. R., E. M. Gese, and A. M. Kitchen. 1998. Population ecology and evaluation of survey methods for swift fox. Swift Fox Symposium: ecology and conservation of swift foxes in a changing world, Saskatoon, Saskatchewan, Canada.

Kitchen, A. M., E. M. Gese, and E. R. Schauster. 1998. Resource partitioning between swift foxes and coyotes: space, time, and diet. Swift Fox Symposium: ecology and conservation of swift foxes in a changing world, Saskatoon, Saskatchewan, Canada.

Andersen, D. E., T. R. Laurion, J. R. Cary, R. S. Sikes, and **E. M. Gese.** 1998. Ecology of swift fox in southeastern Colorado. Swift Fox Symposium: ecology and conservation of swift foxes in a changing

world, Saskatoon, Saskatchewan, Canada.

DeLiberto, T. J., M. R. Conover, **E. M. Gese**, F. F. Knowlton, J. R. Mason, L. Miller, R. H. Schmidt, and M. K. Holland. 1998. Fertility control in coyotes: is it a potential management tool? 18th Vertebrate Pest Control Conference, Costa Mesa, California.

Gese, E. M. 1998. An overview of coyote ecology. 79th Meeting, Pacific Division of the American Association for the Advancement of Science, Logan, Utah.

Farrar, R. O., and **E. M. Gese**. 1998. Surgical sterilization of coyotes as a method of reducing depredations on domestic lambs. 79th Meeting, Pacific Division of the American Association for the Advancement of Science, Logan, Utah.

Knowlton, F. F., and **E. M. Gese**. 1998. Space use considerations in managing species across multiple ownership tracts: examples from coyote and jackrabbit studies. 5th Annual Conference, The Wildlife Society, Buffalo, New York.

Gese, E. M. 1997. Response of coyotes to increased exploitation in southeastern Colorado. 33rd Conference of the Western Section of The Wildlife Society, San Diego, California.

Gese, E. M. 1997. Recapture collars and abdominal implants. Wolf Field Techniques Workshop, Chico Hot Springs, Montana.

Gese, E. M., *E. R. Schauster*, and *A. M. Kitchen*. 1997. Endangered species management: altering contemporary predation paradigms. 4th Annual Conference, The Wildlife Society, Snowmass, Colorado.

Gese, E. M., and R. L. Ruff. 1996. Dispersal of coyotes in Yellowstone National Park: Why leave home? Annual Meeting, Montana Chapter of The Wildlife Society, Chico Hot Springs, Montana.

Mason, J. R., F. Knowlton, **E. Gese**, D. Zemlicka, J. McConnell, T. Hall, L. Windberg, and B. Kelly. 1996. Overview of predator research activities at the Logan Research Station of the National Wildlife Research Center. Annual Meeting of the Northeast Association of Wildlife Damage Biologists.

Knowlton, F. F., and **E. M. Gese**. 1995. Coyote population processes revisited. Symposium: Coyotes in the southwest: a compendium of our knowledge, San Angelo, Texas.

Gese, E. M., R. L. Ruff, and R. L. Crabtree. 1995. Influence of social and environmental factors on behavioral budgeting of coyotes (*Canis latrans*) in Yellowstone National Park. 3rd Biennial Conference on the Greater Yellowstone Ecosystem: Greater Yellowstone Predators, Mammoth Hot Springs, Wyoming.

Grothe, S., R. L. Crabtree, **E. M. Gese**, K. Hatier, and H. D. Picton. 1995. Winter ungulate carrion and landscape influences on coyote behavior and population demographics on Yellowstone's northern range. 3rd Biennial Conference on the Greater Yellowstone Ecosystem: Greater Yellowstone Predators, Mammoth Hot Springs, Wyoming.

Johnson, M. R., E. Williams, R. D. Schultz, **E. M. Gese**, R. L. Crabtree, and W. G. Brewster. 1995. A pre-wolf disease survey in Yellowstone National Park. 3rd Biennial Conference on the Greater

Yellowstone Ecosystem: Greater Yellowstone Predators, Mammoth Hot Springs, Wyoming.

Stotts, T. E., **E. M. Gese**, and S. Grothe. 1995. Behavioral assessment of red fox and coyote interactions in Yellowstone National Park, Wyoming. 3rd Biennial Conference on the Greater Yellowstone Ecosystem: Greater Yellowstone Predators, Mammoth Hot Springs, Wyoming.

Gese, E. M., and L. D. Mech. 1990. Dispersal of wolves (*Canis lupus*) from northeastern Minnesota, 1969-1989. 52nd Annual Midwest Fish and Wildlife Conference, Minneapolis, Minnesota.

Van Auken, O. W., J. K. Bush, **E. Gese**, and K. Connors. 1985. The importance of light intensity and soil nitrogen concentration in secondary succession of south Texas riparian forests. Annual meeting of the Botanical Society of America, Gainesville, Florida.

Van Auken, O. W., **E. Gese**, and K. Connors. 1984. Nitrogen requirements of *Celtis laevigata* and *Acacia smallii*, two successional species. 87th Annual Texas Academy of Science Conference, San Antonio, Texas.

Van Auken, O. W., K. Connors, **E. Gese**, and J. K. Bush. 1984. Nitrogen and community development of the South Texas plains. 14th Annual Southwestern Association of Naturalists Conference.

INVITED SEMINARS

Foraging and spatial ecology of jaguars in Brazil. Polish Academy of Sciences, Mammal Research Institute, Białowieża, Poland (2015)

Swift foxes in southeastern Colorado: integrating ecology, behavior, and genetics. University of Washington, Seattle (2015)

Phantoms of the night: jaguars of Brazil. Utah State University's Swaner Preserve and EcoCenter, Park City, Utah (2015)

1 to 100 kg: 30 years of chasing dogs and cats. Utah State University, Logan (2015)

Jaguars in the southern Pantanal, Brazil: space use and foraging ecology. USGS Alaska Science Center, Anchorage, Alaska (2014)

Ecology of jaguars in the southern Pantanal, Brazil: space use and predation. University of Wyoming, Laramie (2013)

Ecology of jaguars in the southern Pantanal, Brazil: space use and predation. Utah State University, Logan (2011)

Space use and foraging ecology of jaguars in the southern Pantanal, Brazil. Grimsö Wildlife Research Station, Swedish University of Agricultural Sciences, Riddarhyttan, Sweden (2011)

Space use and foraging ecology of jaguars in the southern Pantanal, Brazil. University of Texas-San Antonio (2009)

Dominance hierarchies in coyote society: influence on foraging, communication, and fitness. Brown University, Providence, Rhode Island (2009)

Population ecology of swift foxes. Utah State University, Logan (2008)

Interactions between jaguars, livestock, and native prey in the southern Pantanal, Brazil. Southern Utah University, Cedar City (2006)

Interactions between jaguars, livestock, and native prey in the southern Pantanal, Brazil. Iowa State University, Ames (2006)

Integrating research and management for recovery of the endangered red wolf. Keynote speaker, Iowa State University, Ames (2006)

1 to 100 kg: Carnivore research and management in North and South America. University of Montana, Missoula (2005)

Ecology of jaguars in the southern Pantanal, Brazil. Utah State University, Logan (2004)

Interactions between jaguars and livestock in the southern Pantanal, Brazil. USDA National Wildlife Research Center, Fort Collins, Colorado (2004)

Swift fox ecology in southeastern Colorado. University of Kentucky, Lexington (2002)

Coyote behavior and management. Utah State University, Logan (2001)

Carnivore research. Utah State University, Logan (2001)

Two decades of canid research: my life has gone to the dogs. Utah State University, Logan (2000)

Coyote communication. Utah State University, Logan (1998)

Reintroduction of wolves to Yellowstone National Park. Utah State University-Uintah Basin Campus, Roosevelt, Utah (1998)

Wolf and coyote populations in Yellowstone National Park. San Antonio College, Texas (1997)

Social ecology and behavior of coyotes in Yellowstone. Colorado State University, Fort Collins (1997)

Reintroduction of wolves to Yellowstone. Utah State University, Logan (1996)

Population dynamics of coyotes in Yellowstone National Park. USDA National Wildlife Research Center, Fort Collins, Colorado (1996)

Foraging ecology of coyotes in Yellowstone National Park. USDA Denver Wildlife Research Center, Denver, Colorado (1995)

Foraging ecology of coyotes in Yellowstone National Park. University of California-Hopland Field Station, Hopland, California (1995)

Foraging ecology of coyotes in Yellowstone National Park. University of California-Berkeley (1995)

Foraging ecology of coyotes in Yellowstone National Park. Utah State University, Logan (1995)

Foraging ecology and dispersal of coyotes in Yellowstone National Park. University of Texas-San Antonio (1995)

Coyote research in Yellowstone National Park. University of Wisconsin, Madison (1994)

Behavioral and ecological factors influencing coyote predation in Yellowstone National Park. University of Wisconsin, Madison (1993)

Reintroduction of the Rocky Mountain wolf and possible impacts to the Yellowstone ecosystem. San Antonio College, Texas (1993)

Playing Dog in Yellowstone: coyote research in the park. Montana State University, Bozeman (1992)

Ecology of coyotes in southeastern Colorado. University of Wisconsin, Madison (1986)

PROFESSIONAL SERVICE

Associate Editor, American Society of Mammologists' *Journal of Mammalogy* (2015-present)

Subject-matter Editor, Ecological Society of America's *Ecosphere* (2015-present)

Red Wolf Recovery Team (2015-2016)

Associate Editor, The Wildlife Society's *Journal of Wildlife Management* (2007-2010)

Independent Science Review Panel, Wolf Conservation and Management Plan for Washington (2009)

Jaguar Conservation Team, Scientific Advisory Group (2006-2009)

International Union for Conservation of Nature, Canid Specialist Group (2001-present)

Red Wolf Recovery Implementation Team (2000-2008)

Yellowstone Pronghorn Conservation Assessment Workshop (2002)

Research Technical Committee, Swift Fox Conservation Team (1995-2001)

Red Wolf Program Review (1999)

Species-At-Risk Team, Colorado Department of Agriculture (1996-1997)

Memberships: The Wildlife Society, American Society of Mammalogists, Wildlife Disease Association, Animal Behavior Society

Technical Reviewer:

Wildlife Monographs

Wildlife Society Bulletin

American Midland Naturalist

Biology Letters

Ethology

Canadian Journal of Zoology

Journal of Applied Ecology

Mammalia

Oecologia

Biological Conservation

Journal of Wildlife Management

Ecology

Journal of Mammalogy

Conservation Biology

Wildlife Biology

Journal of Range Management

Journal of Animal Ecology

Landscape Ecology

Behavioural Processes

Animal Behaviour

Ohio Journal of Science	Environmental Management
IUCN Canid Action Plan (2 nd ed.)	The Biology and Conservation of Wild Canids
Global Change Biology	Wildlife Biology in Practice
Applied Animal Behavior Science	Western North American Naturalist
Great Plains Research	Neotropical Wildlife
BioMed (Physiology)	International Biodeterioration and Biodegradation
Cites and the Environment	Southeastern Naturalist
International Journal of Ecology	Journal of the Royal Society Interface
Animals	South African Journal of Wildlife Research
Global Ecology and Biogeography	Ecosphere
Southwestern Naturalist	Mammal Review
Restoration Ecology	Animal Conservation
Polar Research	
Proceedings of the 11 th International Bear Research and Management Conference	
Proceedings of the 6 th Channel Islands Symposium	
Proceedings of the 1 st Swift Fox Symposium	

Proposal Reviewer:

National Science Foundation
 Israel Science Foundation
 U.S. Department of Agriculture-Integrated Pest Management (IPM)
 National Geographic Society

USDA-National Wildlife Research Center:

Ranking/Interview Panel, NWRC Assistant Director (2017)
 Research Grade Evaluation (RGE) review panels (2004-present)
 Planning Committee - 2015 NWRC Science Meeting
 Ranking panel, Field Station Leader (2010)
 Acting Field Station Leader (2009-2010)
 Institutional Animal Care and Use Committee (IACUC) (2008-2013)
 Sabbatical Review Committee (2004-2006)
 Publication Awards Committee (1999-2001; Chair in 2001), (2014-2016)

ACADEMIC SERVICE

Utah State University:

College of Natural Resources, Strategic Planning Committee (2011-2012)
 Faculty Member, Ecology Center (1995-present)
 Seminar Committee (1997-1998)
 Graduate Admissions Committee (1998-2000)
 Faculty Position Search Committee (2005, 2006, 2007)

Nelson Mandela Metropolitan University, Port Elizabeth, South Africa, Ph.D. External Examiner (2016)

University of Idaho, Ph.D. degree Committee Member (2012-2015)

Swedish University of Agricultural Sciences, Uppsala, Sweden, Ph.D. External Examiner (2011)

University of Idaho, Ph.D. degree Committee Member (2008-2011)

University of Putra, Malaysia, M.S. degree Committee Member (2008-2010)

University of Wyoming, Ph.D. degree Committee Member (1996-2004)

University of British Columbia, Ph.D. External Examiner (2005)

University of Wisconsin, Graduate Student Representative (1994-1995)

AWARDS

Certificate of Merit (2014) National Wildlife Research Center - recognition of 100 scientific publications
Outstanding Publication for 2010 - National Wildlife Research Center
Outstanding Publication for 2008 - National Wildlife Research Center
Outstanding Publication for 2006 - National Wildlife Research Center
Outstanding Publication for 2005 - National Wildlife Research Center
Outstanding Publication for 1999 - National Wildlife Research Center
Aldo Leopold Scholarship, University of Wisconsin-Madison, 1992-1993

TEACHING

Utah State University

WILD 4950/6900: ST - Advanced Wildlife Techniques (2011, 2013)

WILD 5000: Predator Ecology and Management (1997, 1999, 2001, 2003, 2006, 2008)

FRWS 6900: ST - Carnivore Conservation (2000, 2002)

FW 6900: ST - Population Dynamics (1998)

FW 6900: ST - Home Range Analyses (1997)

FW 6900: ST - Problems & Management of Wildlife on Protected Areas (1996)

University of Wisconsin-Madison

Wildlife Management Techniques (1994)

SUPERVISION OF GRADUATE STUDENTS

Completed

Alexander, Peter D. 2016. Comparing conventional and noninvasive monitoring techniques for assessing cougar population size in the Southern Greater Yellowstone Ecosystem. M.S. thesis, Utah State University.

Kluever, Bryan M. 2015. Relationships between water developments and select mammals on the U.S. Army Dugway Proving Ground, Utah. Ph.D. dissertation, Utah State University.

Stevenson, Erika T. 2015. Validation of a noninvasive technique for the assessment of physiological stress in coyotes (*Canis latrans*). M.S. thesis, Utah State University.

Poessel, Sharon A. 2015. Ecology and behavior of coyotes in urban environments at varying spatial scales. Ph.D. dissertation, Utah State University.

Blake, Linsey W. 2014. Foraging ecology of cougars in the Pryor Mountains of Wyoming and Montana. M.S. thesis, Utah State University.

Gifford, Suzanne J. 2013. Ecology of coyotes on the Valles Caldera National Reserve, New Mexico: implications for elk calf recruitment. M.S. thesis, Utah State University.

Dempsey, Steven J. 2013. Evaluation of survey methods and development of species distribution models for kit foxes in the Great Basin Desert. M.S. thesis, Utah State University.

Dowd, Jennifer L. B. 2010. Coyote diet and movements in relation to winter recreation in northwestern Wyoming: implications for lynx conservation. M.S. thesis, Utah State University.

Berg, Nathan D. 2010. Snowshoe hare and forest structure relationships in western Wyoming. M.S.

thesis, Utah State University.

Seidler, Renee. 2009. Surgical sterilization of coyotes to reduce predation on pronghorn fawns. M.S. thesis, Utah State University.

Cavalcanti, Sandra M. C. 2008. Predator-prey relationships and spatial ecology of jaguars in the southern Pantanal, Brazil: implications for conservation and management. Ph.D. dissertation, Utah State University.

Carlson, Debra A. 2008. Reproductive biology of the coyote (*Canis latrans*): integration of behavior and physiology. Ph.D. dissertation, Utah State University.

Berger, Kim M. 2007. Conservation implications of food webs involving wolves, coyotes, and pronghorn. Ph.D. dissertation, Utah State University.

Atwood, Todd C. 2006. Wolves, coyotes, elk, and mule deer: predator-prey behavioral interactions in southwestern Montana. Ph.D. dissertation, Utah State University.

Thompson, Craig M. 2006. Landscape-level influences on swift fox (*Vulpes velox*) demographics in southeastern Colorado. Ph.D. dissertation, Utah State University.

Kozlowski, Adam J. 2005. An examination of the asymmetrical interactions of sympatric kit foxes (*Vulpes macrotis*) and coyotes (*Canis latrans*) in Utah's west desert. M.S. thesis, Utah State University.

Kitchen, Ann M. 2004. Social and spatial ecology of the swift fox (*Vulpes velox*) in southeastern Colorado. Ph.D. dissertation, Utah State University.

Morey, Paul S. 2004. Landscape use and diet of coyotes, *Canis latrans*, in the Chicago metropolitan area. M.S. thesis, Utah State University.

Karki, Seija M. 2003. Effects of coyote removal on swift fox (*Vulpes velox*) population ecology in southeastern Colorado. M.S. thesis, Utah State University.

Chavez, Andreas S. 2002. Assessing the potential, actual, and perceived risk that gray wolves, *Canis lupus*, pose to livestock in northwestern Minnesota. M.S. thesis, Utah State University.

Schauster, Edward R. 2001. Swift fox (*Vulpes velox*) on the Pinon Canyon Maneuver Site, Colorado: population ecology and evaluation of survey methodologies. M.S. thesis, Utah State University.

Bromley, Cassity. 2000. Coyote sterilization as a method of reducing predation on domestic lambs. M.S. thesis, Utah State University.

Kitchen, Ann M. 1999. Resource partitioning between coyotes and swift foxes: space, time, and diet. M.S. thesis, Utah State University.

Current

Lillie, Kate. Development and fitness consequences of on-shore behavior among polar bears in the south Beaufort Sea. Ph.D. degree, Utah State University. In progress.

Nichols, Bradley. Interactions between fisher and mountain lions in the central Sierra Nevada Mountains. M.S. degree, Utah State University. In progress.

Panting, Brett. Survival and recruitment of pronghorn fawns in southern Idaho. M.S. degree, Utah State University. In progress.

Smith, Tessa. Response of Pacific fisher (*Pekania pennanti*) to silvicultural treatments in southwest Oregon. In progress.

Kordosky, Jennifer. Stress levels in fisher (*Pekania pennanti*): does home range disturbance influence cortisol levels and fitness? In progress.

SUPERVISION OF POST-DOCTORAL ASSOCIATES

2010-2011 Dr. Lynne Gilbert-Norton

2004-2005 Dr. Ann M. Kitchen

2004-2005 Dr. Sean P. Keenan

AGENCY PRESENTATIONS

Publishing in high impact journals. 2015 National Wildlife Research Center Science Meeting, Fort Collins, Colorado (2015)

Research update: estimating the number of coyotes in Wyoming. Animal Damage Management Board, Dubois, Wyoming (2008)

National Wildlife Research Center: current research overview. Oregon Wildlife Services Conference, Roseburg, Oregon (2004)

Jaguar-livestock interactions. Oregon Wildlife Services Conference, Roseburg, Oregon (2004)

Net-gun capture of wildlife. Four Corners Wildlife Services Conference, Cortez, Colorado (2003)

Jaguars on the southern side. Four Corners Wildlife Services Conference, Cortez, Colorado (2003)

Field research in predator ecology. National Wildlife Research Center, Fort Collins, Colorado (2000)

Research update: sterilization. Idaho-Wyoming Wildlife Services meeting, Alpine, Wyoming (1999)

Resource partitioning between swift foxes and coyotes. Wildlife Services National Conference, Estes Park, Colorado (1999)

Sterilization of coyotes as a method of reducing depredation on domestic lambs. Wildlife Services National Conference, Estes Park, Colorado (1999)

Coyote ecology, behavior, and research. Utah Wildlife Services meeting, Logan, Utah (1998)

Predator ecology research update. Wildlife Services Western Regional Directors meeting, Tucumcari, New Mexico (1998)

National Wildlife Research Center activities. Utah Wildlife Services meeting, Cedar City, Utah (1997)

COMMUNITY PRESENTATIONS

Phantom of the night. Rotary Club, Logan, Utah (2016).

Predator research facility field trip. Summer Citizen Program, Utah State University (2014)

Predator ecology, research, and management. Stokes Nature Center, Logan, Utah (2013)

Big dogs and big cats: carnivore research in North and South America. Rocky Mountain National Park, Estes Park, Colorado (2004)

The life of the coyote. Stokes Nature Center, Logan, Utah (2002)

Ecology of coyotes in Yellowstone National Park. Elderhostel, Cooke City, Montana (1993)

Techniques used in wild canid research. Yellowstone National Park, Wyoming (1992)

Ecology of the timber wolf in northeastern Minnesota. International Wolf Center, Ely, Minnesota (1990)

Endangered species in the United States: problems, research, and recovery. St. Paul High School District, Minnesota (1990)

Mountaineering in South America. The Lions Club, Trinidad, Colorado (1987)