

JEFFREY L. BECK, PhD

Professor, Wildlife Habitat Restoration Ecology
Department of Ecosystem Science and Management
College of Agriculture, Life Sciences and Natural Resources
University of Wyoming
Laramie, WY 82071

E-mail: jlbeck@uwyo.edu; Phone: 307.766.6683

University of Wyoming Website: <https://www.uwyo.edu/esm/faculty-and-staff/faculty/beck/index.html>

Google Scholar: <http://scholar.google.com/citations?user=9bGff9AAAAAJ&hl=en&oi=ao>

ResearchGate: https://www.researchgate.net/profile/Jeffrey_Beck

EDUCATION

PhD	University of Idaho	Forestry, Wildlife & Range Sciences	2003
MS	Brigham Young University	Wildlife and Range Resources	1996
BS	Brigham Young University	Wildlife and Range Resources	1993

PROFESSIONAL EXPERIENCE

2018–present	Professor (Full)	Wildlife Habitat Restoration Ecology	University of Wyoming
2013–2018	Associate Professor	Wildlife Habitat Restoration Ecology	University of Wyoming
2007–2013	Assistant Professor	Wildlife Habitat Restoration Ecology	University of Wyoming
2006–2007	Postdoc Scientist	Habitat Modeling Analyst	University of Wyoming
2005–2006	Avian Scientist	Sagebrush Steppe Wildlife	Colorado Division of Wildlife
2005	Postdoc Research Associate	Forest Wildlife Monitoring	University of Wyoming
2004–2005	Postdoc Scientist	Upland Game Ecology	University of Idaho
1996–1997	Wildlife Biologist II	Lands (Habitat)	Utah Division of Wildlife Resources

135 peer-refereed publications (124 journal articles, 5 book chapters, 1 edited book, 5 proceedings). Google Scholar: 5,359 citations, h-index = 38, i10 index = 95; Research Interest Score = 2,470 (higher than 97% of ResearchGate Members). As of 21 Aug 2025

Peer-Refereed Journal Articles (Chronological within year; student authors underlined; *n* = 109). 124 journal articles

124. Buchanan, C. E., S. J. Galla, J. Studyvin, J. D. Lautenbach, J. D. Scasta, G. D. Randolph, J. S. Forbey, and **J. L. Beck**. 2025. Free-roaming horse diet and body condition differences across seasons and ecologically diverse herd management areas. *Rangeland Ecology and Management* accepted 4 Aug 2025)
123. Thomas-Kuzilik, R. R., J. A. Becker, **J. L. Beck**, J. G. Clapp, A. B. Courtemanch, G. L. Fralick, C. Geremia, L. E. Hall, M. J. Kauffman, B. Lowrey, M. C. Metz, H. M. Miyasaki, K. L. Monteith, A. C. Ortega, H. Sawyer, D. W. Smith, E. E. Stahler, D. R. Stahler, T. L. Verzuh, and J. A. Merkle. 2025. Expression and mechanisms of behavioral plasticity in large mammals. *Ecosphere* (accepted 18 Jul 2025)
122. Hennig, J. D. J. D. Scasta, **J. L. Beck**, J. D. Hill, and B. Stam. 2025. Relationships between beef cow daily distance travelled, age, size, hide color, foraging optimization, and grazing distribution. *Livestock Science* 299:105764. <https://doi.org/10.1016/j.livsci.2025.105764>
121. Bandyopadhyay, K., and **J. L. Beck**. 2025. A global review of the conservation status of true quails (Families Odontophoridae and Phasianidae). *Wildlife Biology* 2025:e01449. <https://doi.org/10.22541/au.173640632.26070276/v1>
120. Wann, G. T., A. L. Whipple, E. K. Orning, M. M. McLachlan, **J. L. Beck**, P. S. Coates, C. J. Conway, J. B. Dinkins, A. N. Johnston, C. A. Hagen, P. D. Makela, D. E. Naugle, M. A. Schroeder, J. S. Seding, B. L. Walker, P. J. Williams, R. D. Inman, and C. L. Aldridge. 2025. Greater sage-grouse seasonal habitat associations: A review and considerations for interpretation and management applications. *Journal of Wildlife Management* 89:e70022. <https://doi.org/10.1002/jwmg.70022>
119. Lautenbach, J. D., A. J. Gregory, S. J. Galla, A. C. Pratt, M. A. Schroeder, and **J. L. Beck**. 2025. Using habitat, morphological, and genetic characteristics to delineate the subspecies of Sharp-tailed Grouse in south-central Wyoming. *Ecology and Evolution* 15(5):e71429. <https://doi.org/10.1002/ece3.71429>
118. Chelak, M. S., M. T. Kohl, J. R. Small, K. T. Smith, A. C. Pratt, **J. L. Beck**, C. R. Backen, N. B. Flack, H. P. Wayment, J. A. Wood, R. Howell, T. D. Strange, L. R. McDonald, K. R. Manlove, S. N. Frey, R. T. Larsen, B. A. Maxfield, D. K. Dahlgren, T. A. Messmer, and D. C. Stoner. 2025. Refurbishing used GPS transmitters improves performance for subsequent deployments on greater sage-grouse. *Wildlife Society Bulletin* 49: e1566. <https://doi.org/10.1002/wsb.1566>
117. Wanner, C. P., A. C. Pratt, A. K. Reinking, G. E. Liston, and **J. L. Beck**. 2025. Novel environmental variables help explain winter weather effects on activity and habitat selection of greater sage-

- grouse along the border of Colorado and Wyoming, USA. *International Journal of Biometeorology* 69:469–485. <https://doi.org/10.1007/s00484-024-02827-x>
116. Atmeh, K., C. Bonenfant, J-M Gaillard, M. Garel, A.J.M. Hewison, P. Marchand, N. Morellet, P. Anderwald, B. Buuveibaatar, **J. L. Beck**, et al. 2025. Neonatal antipredator tactics shape female movement patterns in large herbivores. *Nature Ecology & Evolution* 6:142–152. <https://doi.org/10.1038/s41559-024-02565-8>
 115. Kelly, C. S., C. W. LeBeau, **J. L. Beck**, A. Solem, H. Morey, and K. T. Smith. 2025. Resource selection and survival of plains sharp-tailed grouse at a wind energy facility. *Ecosphere* 16(1):e70164. <https://doi.org/10.1002/ecs2.70164>
 114. **Beck, J. L.**, M. C. Milligan, K. T. Smith, P. A. Street, A. C. Pratt, C. P. Kirol, C. P. Wanner, J. D. Hennig, J. B. Dinkins, J. D. Scasta, and P. S. Coates. 2024. Free-roaming horses exceeding appropriate management levels affect multiple vital rates in greater sage-grouse. *Journal of Wildlife Management* 88:e2269. <https://doi.org/10.1002/jwmg.22669>
 113. Kaur, P., S. Ciuti, F. Ossi, F. Cagnacci, N. Morellet, A. Loison, K. Atmeh, P. McLoughlin, A. K. Reinking, **J. L. Beck**, A. C. Ortega, M. J. Kauffman, M. S. Boyce, A. Haigh, A. David, L. L. Griffin, K. Conteddu, J. Faull, and M. Salter-Townshend. 2024. A protocol for assessing bias and robustness of social network metrics using GPS based radio-telemetry data. *Movement Ecology* 12:55. <https://doi.org/10.1186/s40462-024-00494-6>
 112. Buchanan, C. E., S. J. Galla, M. E. Muscarella, J. S. Forbey, A. K. Reinking, and **J. L. Beck**. 2024. Relating gut microbiome composition and life history metrics for pronghorn (*Antilocapra americana*) in the Red Desert, Wyoming. *PLOS ONE* 19(7): e0306722. <https://doi.org/10.1371/journal.pone.0306722>
 111. Schoenecker, K. A., S. R. B. King, J. D. Hennig, M. J. Cole, J. D. Scasta, and **J. L. Beck**. 2024. Effects of telemetry collars on two free-roaming feral equid species. *PLOS ONE* 19(5): e0303312. <https://doi.org/10.1371/journal.pone.0303312>
 110. Smith, K. T., C. W. LeBeau, L. Hoskovec, and **J. L. Beck**. 2024. Trends in greater sage-grouse lek counts relative to existing wind energy development in Wyoming. *Wildlife Society Bulletin* 48:e1526. <https://doi.org/10.1002/wsb.1526>
 109. Wanner, C. P., A. C. Pratt, and **J. L. Beck**. 2024. Wintering greater sage-grouse preferentially select shrub microhabitat characteristics within the home range. *Rangeland Ecology and Management* 94: 1–6. <https://doi.org/10.1016/j.rama.2024.01.008>
 108. Smith, K. T., A. C. Pratt, J. D. Lautenbach, H. M. North, and **J. L. Beck**. 2024. Survival of juvenile greater sage-grouse in Wyoming. *Wildlife Biology* 2024:e01199. <http://dx.doi.org/10.1002/wlb3.01199>
 107. Carlisle, J. D., K. T. Smith, **J. L. Beck**, M. A. Murphy, and A. D. Chalfoun. 2024. Considering habitat preference and fitness outcomes in the umbrella species concept. *Animal Conservation* 27:212–225. <https://doi.org/10.1111/acv.12899>
 106. Donovan, V. M., **J. L. Beck**, C. L. Wonkka, C. P. Roberts, C. R. Allen, and D. Twidwell. 2024. Declining pronghorn (*Antilocapra americana*) population productivity caused by woody encroachment and oil and gas development. *Global Ecology and Conservation* 50:e02848. <https://doi.org/10.1016/j.gecco.2024.e02848>
 105. Hennig, J. D., **J. L. Beck**, and J. D. Scasta. 2024. Feral horses and pronghorn: a test of the forage maturation hypothesis in an arid shrubland. *Animal Behaviour* 210:55–61. <https://doi.org/10.1016/j.anbehav.2024.01.015>
 104. Frey, N., **J. L. Beck**, L. Singletary, L. Snell, J. D. Scasta, and J. Hadfield. 2024. Western U.S. residents' knowledge of wild free-roaming horses and their management on federal public lands. *Rangeland Ecology and Management* 92:12–23. <https://doi.org/10.1016/j.rama.2023.09.002>
 103. Bandyopadhyay, K., B. Cristescu, **J. L. Beck**, J. L. Koprowski, and L. Marker. 2023. Status and density of threatened Kori bustard *Ardeotis kori* in a woodland savanna. *Ostrich: Journal of African Ornithology* 94:124–128. <https://doi.org/10.2989/00306525.2023.2248395>
 102. Buchanan, C.B., S.S. Wulff, S.E. Albeke, and **J.L. Beck**. 2023. Elk shift resource selection temporally in response to natural gas development. *Rangeland Ecology and Management* 90:35–44. <https://doi.org/10.1016/j.rama.2023.05.006>
 101. Smith, K.T., J. R. LeVan, A. D. Chalfoun, T. J. Christiansen, S. R. Harter, S. Oberlie, and **J. L. Beck**. 2023. Response of greater sage-grouse to sagebrush reduction treatments in Wyoming big sagebrush. *Wildlife Monographs* 212:e1075. <https://doi.org/10.1002/wmon.1075>
 100. Hennig, J. D., C. J. Duchardt, S. Esmaceli, S. D. Fuhlendorf, **J. L. Beck**, T. I. Francisco, and J. D. Scasta. 2023. A crossroads in the rear-view mirror: the state of United States feral equid management in 2023. *BioScience* 73:404–407. <https://doi.org/10.1093/biosci/biad033>

99. Hennig, J.D., J. D. Scasta, A. C. Pratt, C. P. Wanner, and **J. L. Beck**. 2023. Resource selection and space use overlap between feral horses, pronghorn, and greater sage-grouse in cold arid steppe. *Journal of Wildlife Management* 87:e22329.
98. Milligan, M. C., A. N. Johnston, **J. L. Beck**, K. L. Taylor, E. Hall, L. Knox, T. Cufaude, C. Wallace, G. Chong, and M. J. Kauffman. 2023. Wind-energy development alters pronghorn migration at multiple scales. *Ecology and Evolution* 13:e9687.
97. Duchardt, C. J., D. J. Augustine, L. M. Porensky, **J. L. Beck**, J. D. Hennig, D. W. Pellatz, J. D. Scasta, L. C. Connell, and A. D. Davidson. 2023. Disease and weather induce rapid shifts in a rangeland ecosystem mediated by a keystone species (*Cynomys ludovicianus*). *Ecological Applications* 33:e271232
96. Frey, S. N., **J. L. Beck**, J. D. Scasta, and L. Singletary. 2022. U.S. public opinion of reproductive control options for free-roaming horses on western public lands. *Human–Wildlife Interactions* 16:217–232.
95. Jorns, T. R., J. D. Derner, D. J. Augustine, D. D. Briske, L. M. Porensky, J. D. Scasta, **J. L. Beck**, and S. Lake. 2022. Movement dynamics and energy expenditure of yearling steers under contrasting grazing management in shortgrass steppe. *Rangeland Ecology and Management* 85:38–47.
94. Gelling, E. L., A. P. Pratt, and **J. L. Beck**. 2022. Linking microhabitat selection, range size, reproductive state, and behavioral state in greater sage-grouse. *Wildlife Society Bulletin* 46:e1293.
93. Lautenbach, J. D., J. A. Stephenson, and **J. L. Beck**. 2022. Predicting Columbian sharp-tailed grouse lek occurrence in Grand Teton National Park, Wyoming. *Western North American Naturalist* 82:409–416.
92. Robb, B. S., J. A. Merkle, J. Sawyer, **J. L. Beck**, and M. J. Kauffman. 2022. Nowhere to run: pronghorn space use impacted by semi-permeability of barriers. *Journal of Wildlife Management* 86:e22212.
91. Pilliod, D. S., **J. L. Beck**, C. J. Duchardt, J. L. Rachlow, and K. E. Veblen. 2022. Leveraging rangeland monitoring data for wildlife: from concept to practice. *Rangelands* 44:87–98.
90. Dinkins, J. B., L. R. Perry, **J. L. Beck**, and J. D. Taylor. 2021. Expanding abundance of a native predator, common raven, within the habitat of two sensitive native prey species, greater and Gunnison sage-grouse. *Human–Wildlife Interactions* 15:270–288.
89. Milligan, M. C., A. N. Johnston, **J. L. Beck**, K. T. Smith, K. L. Taylor, E. Hall, L. Knox, T. Cufaude, C. Wallace, G. Chong, and M. J. Kauffman. 2021. Variable effects of wind-energy development on seasonal habitat selection of pronghorn. *Ecosphere* 12:(12):e03850.
88. Dinkins, J. B., C. J. Duchardt, J. D. Hennig, and **J. L. Beck**. 2021. Changes in hunting season regulations (1870s–2019) reduce harvest pressure on greater and Gunnison sage-grouse. *PLOS ONE* 16:(10):e0253635.
87. Dinkins, J. B., K. J. Lawson, and **J. L. Beck**. 2021. Influence of environmental change, harvest exposure, and human disturbance on population trends of greater sage-grouse. *PLOS ONE* 16(9):e0257198.
86. Esmacili, S., B. R. Jesmer, S. E. Albeke, E. O. Aikens, S. R. B. King, K. A. Schoenecker, B. Abrahms, B. Buuveibaatar, **J. L. Beck**, et al. 2021. Body size and digestive system shape resource selection by ungulates: a cross-taxa test of the forage maturation hypothesis. *Ecology Letters* 24:2178–2191.
85. Hennig, J. D., **J. L. Beck**, C. J. Gray, and J. D. Scasta. 2021. Temporal overlap among feral horses, cattle, and native ungulates at water sources. *Journal of Wildlife Management* 85:1084–1090.
84. Donovan, V. M., S. P. H. Dwinell, **J. L. Beck**, C. P. Roberts, J. G. Clapp, G. S. Hiatt, K. L. Monteith, and D. Twidwell. 2021. Fire-driven landscape heterogeneity shapes habitat selection of bighorn sheep. *Journal of Mammalogy* 102:757–771.
83. Hennig, J. D., **J. L. Beck**, C. J. Duchardt, and J. D. Scasta. 2021. Variation in sage-grouse habitat quality metrics across a gradient of feral horse use. *Journal of Arid Environments* 192:104550.
82. Morrison, T. A., J. A. Merkle, J. G. C. Hopcraft, E. O. Aikens, **J. L. Beck**, R. B. Boone, A. B. Courtemanch, S. P. Dwinell, W. S. Fairbank, B. Griffith, A. D. Middleton, K. L. Monteith, B. Oates, L. Riotte-Lambert, H. Sawyer, K. T. Smith, J. A. Stabach, K. L. Taylor, and M. J. Kauffman. 2021. Drivers of site fidelity in ungulates. *Journal of Animal Ecology* 90: 955–966.
81. Pratt, A. C., and **J. L. Beck**. 2021. Do greater sage-grouse exhibit maladaptive habitat selection? *Ecosphere* 12(3):e03354.
80. Duchardt, C. J., D. J. Augustine, and **J. L. Beck**. 2020. Anthropogenic and natural disturbance differentially affect sagebrush bird habitat use. *Journal of Wildlife Management* 84:1361–1372.
79. Donovan, V. M., C. P. Roberts, C. L. Wonkka, **J. L. Beck**, J. N. Popp, C. R. Allen, and D. Twidwell. 2020. Range-wide monitoring of population trends for Rocky Mountain bighorn sheep. *Biological Conservation* 248:108639.
78. Hennig, J. D., J. D. Scasta, **J. L. Beck**, K. A. Schoenecker, and S. R. B. King. 2020. Systematic review of equids and telemetry collars: Implications for deployment and reporting. *Wildlife Research* 47:361–371.

77. Kirol, C. P., K. T. Smith, N. E. Graf, J. B. Dinkins, C. W. LeBeau, T. L. Macchtle, A. L. Sutphin, and **J. L. Beck**. 2020. Greater sage-grouse response to the physical footprint of energy development. *Journal of Wildlife Management* 84:989–1001.
76. Smith, K. T., K. L. Taylor, S. E. Albeke, and **J. L. Beck**. 2020. Pronghorn winter resource selection before and after wind energy development in south-central Wyoming. *Rangeland Ecology and Management* 73:227–233.
75. Duchardt, C. J., **J. L. Beck**, and D. J. Augustine. 2020. Mountain plover habitat selection and nest survival in relation to weather variability and spatial attributes of black-tailed prairie dog disturbance. *The Condor: Ornithological Applications* 122:1–15.
74. Dinkins, J. B., and **J. L. Beck**. 2019. Comparison of conservation policy benefits for an umbrella and related sagebrush-obligate species. *Human-Wildlife Interactions* 14:447–458.
73. LeBeau, C. W., K. T. Smith, M. J. Holloran, **J. L. Beck**, M. E. Kauffman, and G. D. Johnson. 2019. Greater sage-grouse habitat function relative to 230-kV transmission lines. *Journal of Wildlife Management* 83:1773–1786.
72. Dwinnell, S. P., H. Sawyer, J. E. Randall, **J. L. Beck**, J. S. Forbey, G. L. Fralick, and K. L. Monteith. 2019. Where to forage when afraid: Does perceived risk impair use of the foodscape? *Ecological Applications* 29:9(7):e01972. 2019.
71. Smith, K. T., J. B. Dinkins, and **J. L. Beck**. 2019. Approaches to delineate greater sage-grouse winter concentration areas in Wyoming. *Journal of Wildlife Management* 83:1495–1507.
70. Smith, K. T., J. R. LeVan, and **J. L. Beck**. 2019. Forb and invertebrate response to treatments for greater sage-grouse in Wyoming big sagebrush. *Rangeland Ecology and Management* 72:791–795.
69. Pratt, A. C., and **J. L. Beck**. 2019. Greater sage-grouse response to bentonite mining. *Journal of Wildlife Management* 83:866–878. doi: 10.1002/jwmg.21644.
68. Duchardt, C. J., D. J. Augustine, and **J. L. Beck**. 2019. Threshold responses of grassland and sagebrush birds to patterns of disturbance created by an ecosystem engineer. *Landscape Ecology* 34:895–909. doi: <https://doi.org/10.1007/s10980-019-00813-y>
67. Reinking, A. K., K. T. Smith, T. W. Mong, M. J. Read, and **J. L. Beck**. 2019. Across scales, pronghorn select sagebrush, avoid fences, and show negative responses to anthropogenic features in winter. *Ecosphere* 10(5):e02722. Doi: 10.1002/ecs2.2722
66. Pratt, A. C., K. T. Smith, and **J. L. Beck**. 2019. Prioritizing seasonal habitats for comprehensive conservation of a partial migrant. *Global Ecology and Conservation* 17:e00594. doi: 10.1016/j.gecco.2019.e00594
65. Smith, K. T., A. C. Pratt, J. R. LeVan, A. M. Rhea, and **J. L. Beck**. 2019. Reconstructing greater sage-grouse chick diets: Diet selection, body condition, and food availability at brood-rearing sites. *The Condor: Ornithological Applications* 121:1–12. doi: 0.1093/condor/duy012
64. Duchardt, C. J., L. M. Porensky, D. J. Augustine, and **J. L. Beck**. 2018. Disturbance shapes avian communities on a grassland-sagebrush ecotone. *Ecosphere* 9(10):e02483. doi: 10.1002/ecs2.2483
63. Jesmer, B. R., J. A. Merkle, J. R. Goheen, E. O. Aikens, **J. L. Beck**, A. B. Courtemanch, M. A. Hurley, D. E. McWhirter, H. M. Miyasaki, K. L. Monteith, and M. J. Kauffman. 2018. Is ungulate migration culturally transmitted? Evidence of social learning from translocated animals. *Science* 361:1023–1025. doi: 10.1126/science.aat0985
62. Smith, K. T., J. S. Forbey, and **J. L. Beck**. 2018. Effects of mowing and tebuthiuron on the nutritional quality of Wyoming big sagebrush. *Rangeland Ecology and Management* 71:417–423. doi.org/10.1016/j.rama.2018.02.006
61. Smith, K. T., and **J. L. Beck**. 2018. Sagebrush treatments influence annual population change for greater sage-grouse. *Restoration Ecology* 25:497–505. doi: 10.1111/rec.12589
60. Smith, K. T., **J. L. Beck**, and C. P. Kirol. 2018. Reproductive state leads to intraspecific habitat partitioning and survival differences in greater sage-grouse: Implications for conservation. *Wildlife Research* 45:119–141. doi: 10.1071/WR17123
59. Carlisle, J. D., A. D. Chalfoun, K. T. Smith, and **J. L. Beck**. 2018. Non-target effects on songbirds from habitat manipulation for greater sage-grouse: Implications for the umbrella species concept. *The Condor: Ornithological Applications* 120:439–455. doi: 0.1650/CONDOR-17-200.1
58. Hennig, J. D., **J. L. Beck**, and J. D. Scasta. 2018. Spatial ecology observations from feral horses equipped with global positioning system transmitters. *Human-Wildlife Interactions* 12:75–84.
57. Scasta, J. D. J. D. Hennig, and **J. L. Beck**. 2018. Framing contemporary U.S. wild horse and burro management processes in a dynamic ecological, sociological, and political environment. *Human-Wildlife Interactions* 12:31–45.
56. Doherty, K. E., J. D. Hennig, J. B. Dinkins, K. A. Griffin, A. A. Cook, J. D. Maestas, D. E. Naugle, and **J. L. Beck**. 2018. Understanding biological effectiveness before scaling up range-wide restoration investments for Gunnison sage-grouse. *Ecosphere* 9(3):e02144. doi: 10.1002/ecs2.2144.

55. Reinking, A. K., K. T. Smith, K. L. Monteith, T. W. Mong, M. J. Read, and **J. L. Beck**. 2018. Intrinsic, environmental, and anthropogenic factors related to pronghorn summer mortality. *Journal of Wildlife Management* 82:608–617. doi: 10.1002/jwmg.21414
54. Spence, E. S., **J. L. Beck**, and A. J. Gregory. 2017. Probability of lek collapse is lower inside sage-grouse Core Areas: Effectiveness of conservation policy for a landscape species. *PLoS ONE* 12(11): e0185885. doi: <https://doi.org/10.1371/journal.pone.0185885>
53. Dinkins, J. B., K. J. Lawson, K. T. Smith, **J. L. Beck**, C. P. Kirol, A. C. Pratt, M. R. Conover, and F. C. Blomquist. 2017. Quantifying overlap and fitness consequences of migration strategy with seasonal habitat use and a conservation policy. *Ecosphere* 8(11):e01991. doi: 10.1002/ecs2.1991
52. Gamo, R. S., and **J. L. Beck**. 2017. Energy disturbance and productivity of mule deer habitat in sage-grouse Core Areas. *Rangeland Ecology and Management* 70:576–583. doi: <http://dx.doi.org/10.1016/j.rama.2017.04.005>
51. Pratt, A. C., K. T. Smith, and **J. L. Beck**. 2017. Environmental cues used by greater sage-grouse to initiate altitudinal migration. *The Auk: Ornithological Advances* 134:628–643. doi: <http://dx.doi.org/10.1642/AUK-16-192.1>
50. LeBeau, C. W., G. D. Johnson, M. J. Holloran, **J. L. Beck**, R. M. Nielson, M. E. Kauffman, E. J. Rodemaker, and T. L. McDonald. 2017. Greater sage-grouse habitat selection, survival, and wind energy infrastructure. *Journal of Wildlife Management* 81:690–711. doi: 10.1002/jwmg.21231
49. Gamo, R. S., K. T. Smith, and **J. L. Beck**. 2017. Energy development and hunter success for mule deer and pronghorn in Wyoming. *Wildlife Society Bulletin* 41:62–69. doi: 10.1002/wsb.728
48. LeBeau, C. W., **J. L. Beck**, G. D. Johnson, R. M. Nielson, M. J. Holloran, K. G. Gerow, and T. L. McDonald. 2017. Greater sage-grouse male lek counts relative to wind energy development. *Wildlife Society Bulletin* 41:17–26. doi: 10.1002/wsb.725
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46. Clapp, J. G., and **J. L. Beck**. 2016. **Short-term** impacts of fire-mediated habitat alterations on an isolated bighorn sheep population. *Fire Ecology* 12(3):80–98. doi: 10.4996/fireecology.1203080
45. Pennington, V. E., D. R. Schlaepfer, **J. L. Beck**, J. B. Bradford, K. A. Palmquist, and W. K. Lauenroth. 2016. Sagebrush, greater sage-grouse, and the occurrence and importance of forbs. *Western North American Naturalist* 76:298–312.
44. Smith, K. T., **J. L. Beck**, and A. C. Pratt. 2016. Does Wyoming’s Core Area Policy protect winter habitats for greater sage-grouse? *Environmental Management* 58:585–596. doi: 10.1007/s00267-016-0745-8
43. Dinkins, J. B., M. R. Conover, C. P. Kirol, **J. L. Beck**, and S. N. Frey. 2016. Effects of common raven and coyote removal and temporal variation in climate on greater sage-grouse nesting success. *Biological Conservation* 202:50–58. doi: <http://dx.doi.org/10.1016/j.biocon.2016.08.011>
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39. Taylor, K. T., **J. L. Beck**, and S. V. Huzurbazar. 2016. Factors influencing winter mortality risk for pronghorn exposed to wind energy development. *Rangeland Ecology and Management* 69:108–116. doi: <http://dx.doi.org/10.1016/j.rama.2015.12.003>
38. Clapp, J. G., and **J. L. Beck**. 2015. Evaluating distributional shifts in home range estimates. *Ecology and Evolution* 5:3869–3878. doi: 10.1002/ece3.1655
37. Kirol, C. P., **J. L. Beck**, S. V. Huzurbazar, M. J. Holloran, and S. N. Miller. 2015. Identifying greater sage-grouse source and sink habitats for conservation planning in an energy development landscape. *Ecological Applications* 25:968–990. doi: <http://dx.doi.org/10.1890/13-1152.1.sm>
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13. Doherty, K. E., **J. L. Beck**, and D. E. Naugle. 2011. Comparing ecological site descriptions to habitat characteristics influencing greater sage-grouse nest site occurrence and success. *Rangeland Ecology and Management* 64:344–351. doi: 10.2111/REM-D-10-00120.1
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10. **Beck, J. L.**, J. W. Connelly, and K. P. Reese. 2009. Recovery of greater sage-grouse habitat features in Wyoming big sagebrush following prescribed fire. *Restoration Ecology* 17:393–403. doi: 10.1111/j.1526-100X.2008.00380.x
9. **Beck, J. L.**, K. P. Reese, J. W. Connelly, and M. B. Lucia. 2006. Movements and survival of juvenile greater sage-grouse in southeastern Idaho. *Wildlife Society Bulletin* 34:1070–1078.
8. **Beck, J. L.**, J. M. Peek, and E. K. Strand. 2006. Estimates of elk summer range nutritional carrying capacity constrained by probabilities of habitat selection. *Journal of Wildlife Management* 70:283–294.
7. Reese, K. P., **J. L. Beck**, P. Zager, and T. E. Heekin. 2005. Nest and brood site characteristics of mountain quail in west-central Idaho. *Northwest Science* 79:254–264.
6. **Beck, J. L.**, and J. M. Peek. 2005. Great Basin summer range forage quality: do plant nutrients meet elk requirements? *Western North American Naturalist* 65:516–527.
5. **Beck, J. L.**, K. P. Reese, P. Zager, and T. E. Heekin. 2005. Simultaneous multiple clutches and female breeding success in mountain quail. *The Condor* 107:891–899.
4. **Beck, J. L.**, and J. M. Peek. 2005. Diet composition, forage selection, and potential for forage competition among elk, deer, and livestock on aspen-sagebrush summer range. *Rangeland Ecology and Management* 58:135–147.
3. **Beck, J. L.**, and J. M. Peek. 2004. Herbage productivity and ungulate use of northeastern Nevada mountain meadows. *Journal of Range Management* 57:376–383.
2. **Beck, J. L.**, D. L. Mitchell, and B. D. Maxfield. 2003. Changes in the distribution and status of sage-grouse in Utah. *Western North American Naturalist* 63:203–214.
1. **Beck, J. L.**, and D.L. Mitchell. 2000. Influences of livestock grazing on sage grouse habitat. *Wildlife Society Bulletin* 28:993–1002.

Edited Books (chronological within a year). 1

McNew, L. B., D. K. Dahlgren, and **J. L. Beck**, editors. 2023. *Rangeland Wildlife Ecology and Conservation*. Springer Nature, London, England. 1023 pages.

Peer-Refereed Book Chapters and Textboxes (student author; n = 6)

6. McNew, L. B., D. K. Dahlgren, and **J. L. Beck**. 2023. Introduction to Rangeland Wildlife Ecology and Conservation. Pages 1–6 in L. B. McNew, D. K. Dahlgren, and J. L. Beck, editors. *Rangeland Wildlife Ecology and Conservation*. Springer Nature, London, England.
5. Dahlgren, D. K., L. B., McNew, and **J. L. Beck**. 2023. The future of rangeland wildlife conservation – synopsis. Pages 1011–1023 in L. B. McNew, D. K. Dahlgren, and J. L. Beck, editors. *Rangeland Wildlife Ecology and Conservation*. Springer Nature, London, England.
4. **Beck, J. L.**, T. J. Christiansen, K. W. Davies, J. B. Dinkins, A. P. Monroe, D. E. Naugle, and M. A. Schroeder. 2023. Sage-grouse. Pages 295–338 in L. B. McNew, D. K. Dahlgren, and J. L. Beck, editors. *Rangeland Wildlife Ecology and Conservation*. Springer Nature, London, England.
3. Taylor, K. T., **J. L. Beck**, S. V. Huzurbazar, and S. E. Albeke. 2017. Box 11.2, Response of wintering pronghorn to wind energy development in south-central Wyoming. Pages 228–230 In Chapter 10: Terrestrial Mammals by J. O. Helldin, A. Skarin, W. Neumann, M. Olsson, J. Jung, J. Kindberg, N. Lindberg and F. Widemo. M. Perrow, editor. *Wildlife and Wind Farms – Conflicts and Solutions*. Volume 1 Onshore: Potential Effects. Pelagic Publishing, Exeter, United Kingdom.
2. Pyke, D.A., J.C. Chambers, **J.L. Beck**, M.L. Brooks, and B.A. Meador. 2016. Land uses, fire, and invasion: Exotic annual *Bromus* and human dimensions. Pages 307–337 in M. J. Germino, J. C. Chambers, and C. S. Brown, editors. *Exotic Brome-*

Grasses in Arid and Semi-Arid Ecosystems of the Western US: Causes, Consequences, and Management Implications, Springer International Publishing, Switzerland.

1. **Beck, J.L.**, and L.H. Suring. 2009. Wildlife habitat–relationships models: description and evaluation of existing frameworks. Pages 251–285 in J. J. Millsbaugh, and F. R. Thompson, III, editors. Models for Planning Wildlife Conservation in Large Landscapes. Elsevier Science, Amsterdam, Netherlands.

Other Research and Outreach Productivity

- Experiment Station and Cooperative Extension Service Bulletins = 4 (2 w/graduate students)
- Government Research Reports and Papers = 15
- Popular Press Articles (authored, edited, or about my activities) = 17 (6 w/graduate students)
- *Ad hoc* Scientific Committee Reports = 1
- Abstracts = 291 (197 w/graduate students; 8 w/undergraduate students)
- Invited Research Presentations = 95 (1 plenary speaker presentation; 40 w/graduate students)
- Invited Research Outreach Presentations = 45 (30 w/graduate students)
- Contributed Research Presentations = 283 (189 w/graduate students; 7 w/undergraduate students)
- Scientific Journal Manuscript Reviewer = 90 manuscripts from 28 journals
- Committee Member – University of Wyoming Institutional Animal Care and Use Committee (2013–2020)
- Co-organizer (w/Pete Stahl, Director of Wyoming Reclamation and Restoration Center) – Wyoming Habitat Restoration Workshops (2014–2016)
- Sage-Grouse Research Compiler (2011–2019, and 2022). Compiled research summaries for sage-grouse and habitat studies being conducted in Wyoming for the Wyoming Game and Fish Department
- Associate Editor – *Human-Wildlife Interactions* (2017–present)
- Associate Editor – *Western North American Naturalist* (2006–2008)

Graduate Students Currently Advised (2; Chair, 2 MS)

1. **Jackson Alford** (MS; Chair) - Rangeland Ecology and Watershed management. Start Date: August 2024. Thesis topic: *Predevelopment response of greater sage-grouse to wind energy development at the Jackalope Wind Project*
2. **Jace Cobb** (MS; Chair) – Rangeland Ecology and Watershed management. Start Date: August 2024. Thesis topic: *Connectivity and Response to Avian Predators Influenced by Wind-Energy Development and Harness-type Survival of Greater Sage-Grouse in South-Central Montana*

Graduate Students Completed (20; In order of completion; Chair [11 MS, 7 PhD]; Co-chair [2 PhD])

- 20 **Courtney E. Buchanan** (PhD; Chair) – Rangeland Ecology and Watershed Management. Start Date: August 2019. Graduation date: August 2025. Dissertation title: *Foraging ecology and biotic relationships with gut microbiota in pronghorn and free-roaming horses*
19. **Jonathan D. Lautenbach** (PhD; Chair) – Ecology, Department of Ecosystem Science and Management. Start Date: January 2018. Graduation date: April 2025. Dissertation title: *Subspecies delineation, habitat ecology, and population demography of sharp-tailed grouse in southcentral Wyoming*
18. **Sheila M. Cloud** (MS; Chair), Rangeland Ecology and Watershed Management. Start date: January 2020. Graduation date: May 2024. Thesis title: *Assessing Rangeland management practices and ecosystem services within the Intermountain West, USA.*
17. **Carly S. Kelly** (MS; Chair) – Rangeland Ecology and Watershed Management. Start Date: August 2021. Graduation date: December 2023. Thesis title: *Plains sharp-tailed grouse response to wind energy development in northeastern South Dakota*
16. **Caitlyn P. Wanner** (MS; Chair) – Rangeland Ecology and Watershed Management. Start Date: August 2019. Graduation date: December 2022. Thesis title: *Validation of winter concentration area guidelines and winter habitat ecology for greater sage-grouse in the Red Desert, Wyoming*
15. **Erin L. Gelling** (MS; Chair) – Rangeland Ecology and Watershed Management. Start Date: August 2018. Graduation date: May 2022. Thesis title: *Seasonal habitat selection and breeding ecology of greater sage-grouse in Carbon County, Montana*
14. **Jacob D. Hennig** (PhD; co-chair with Dr. Derek Scasta) – Rangeland Ecology and Management, Department of Ecosystem Science and Management. Start Date: August 2016. Graduation date: May 2021. Dissertation title: *Feral horse movement, habitat selection, and effects on pronghorn and greater sage-grouse habitat*
13. **Courtney J. Duchardt** (PhD; Chair) – Ecology, Department of Ecosystem Science and Management. Start Date: August 2015. Graduation date: December 2020. Dissertation title: *Effects of disturbance on avian diversity at a grassland-sagebrush ecotone*

12. **Jason R. LeVan** (MS; Chair) - Rangeland Ecology and Watershed Management, Department of Ecosystem Science and Management. Started: August 2014. Graduation date: May 2018. Thesis title: *Habitat selection and short-term demographic response of greater sage-grouse to habitat treatments in Wyoming big sagebrush*
11. **Aaron C. Pratt** (PhD; Chair) – Ecology, Department of Ecosystem Science and Management. Started: August 2011. Graduation date: December 2017. Dissertation title: *Partial migration, habitat selection, and conservation of greater sage-grouse in the Bighorn Basin of Montana and Wyoming*
10. **Adele K. Reinking** (MS; Chair) – Rangeland Ecology and Watershed Management, Department of Ecosystem Science and Management. Started August 2013. Graduation date: December 2017. Thesis title: *Coupling mortality risk and multi-scale resource selection to understand the effects of environmental and anthropogenic change on pronghorn in the Red Desert, Wyoming*
9. **Kurt T. Smith** (PhD; Chair) – Ecology, Department of Ecosystem Science and Management. Started: August 2010. Graduation date: December 2016. Dissertation title: *Identifying habitat quality and population response of greater sage-grouse to treated Wyoming big sagebrush habitats*
8. **R. Scott Gamo** (PhD; Chair) – Rangeland Ecology and Watershed Management, Department of Ecosystem Science and Management. Started: January 2012. Graduation date: May 2016. Dissertation title: *Effectiveness of Wyoming's Sage-Grouse Executive Order in conserving greater sage-grouse and mule deer and influence of energy development on big game harvest*
7. **Clay B. Buchanan** (PhD; Chair) – Ecology, Department of Ecosystem Science and Management. Started: August 2008. Graduation date: May 2015. Dissertation topic: *Elk response to disturbance from development of a coal bed natural gas field in northeast Wyoming*
6. **Justin G. Clapp** (MS; Chair) – Rangeland Ecology and Watershed Management, Department of Ecosystem Science and Management. Started: August 2012. Graduation date: May 2015. Thesis title: *Habitat ecology and effects of fire-mediated habitat alteration for bighorn sheep translocated to the Seminoe Mountains, Wyoming*
5. **Eric J. Wald** (PhD; co-chair with Dr. Larry Munn) - Rangeland Ecology and Watershed Management, Department of Ecosystem Science and Management. Started: January 2011. Graduation date: December 2014. Dissertation title: *Management of an expanding moose (*Alces alces*) population on the Yukon-Kuskokwim Delta, Alaska*
4. **Kaitlyn L. Taylor** (MS; Chair) – Rangeland Ecology and Watershed Management, Department of Ecosystem Science and Management. Started: January 2011. Graduated: May 2014. Thesis title: *Pronghorn (*Antilocapra americana*) response to wind energy development on winter range in south-central, Wyoming*
3. **Chad W. LeBeau** (MS; Chair) – Rangeland Ecology and Watershed Management, Department of Ecosystem Science and Management. Started: January 2010. Graduated: August 2012. Thesis title: *Evaluation of greater sage-grouse reproductive habitat and response to wind energy development in south-central, Wyoming*
2. **Christopher P. Kirol** (MS; Chair) – Rangeland Ecology and Watershed Management, Department of Ecosystem Science and Management. Started: August 2008. Graduated: May 2012. Thesis title: *Quantifying habitat importance for greater sage-grouse (*Centrocercus urophasianus*) population persistence in an energy development landscape*
1. **Jennifer E. Hess** (MS; Chair) – Rangeland Ecology and Watershed Management, Department of Ecosystem Science and Management. Started: August 2008. Graduated: May 2011. Thesis title: *Greater sage-grouse (*Centrocercus urophasianus*) habitat response to mowing and prescribed burning Wyoming big sagebrush and the influence of disturbance factors on lek persistence in the Bighorn Basin, Wyoming*

Graduate Student Committee Service

- Committee member for completed graduate students = 36 (6 PhD, 27 MS, 3 MA)
- Committee member for current graduate students = 10 (5 PHD, 5 MS)

Postdoctoral Research Associate Mentoring (5 postdocs; 2 are Assistant Professors, 1 is an Associate Professor, 1 is a senior research scientist at a University, and 1 is a research chair at an NGO)

5. **Dr. Victoria M. Donovan** (co-investigator with me, while currently a postdoc at University of Nebraska-Lincoln). Primary topic: Modeling range-wide population trends for Rocky Mountain bighorn sheep. Secondary topic: Evaluating pronghorn fawn to doe ratios in Wyoming as related to landscape changes. (2020–2022).
Current Position: Assistant Professor – University of Florida IFAS, West Florida Research and Education Center

4. **Dr. Aaron C. Pratt** (postdoc at University of Wyoming). Primary topic: Winter concentration areas for sage-grouse in Wyoming. Secondary topic: Assistance on Sage-grouse and Columbian Sharp-tailed grouse field projects. (2018–2020)
Current Position: STCP and Hamerstrom Prairie Grouse Research Chair – Sutton Avian Research Center
3. **Dr. Kurt T. Smith** (postdoc at University of Wyoming). Primary topics: Identification of winter concentration areas for sage-grouse in Wyoming AND pronghorn winter resource selection in relation to wind energy development (2017–2020)
Current Position: Senior Research Scientist – University of Wyoming.
2. **Dr. Jonathan B. Dinkins** (postdoc at University of Wyoming). Primary topic: Influence of fall harvest on trends in sage-grouse populations. Secondary topic: Evaluation of the effectiveness of the Wyoming Governor’s Sage-grouse Executive Order for sage-grouse nest success, sagebrush-obligate songbirds, and migration ecology of sage-grouse. (2013–2016)
Current Position: Associate Professor – Oregon State University
1. **Dr. Andrew J. Gregory** (co-investigator with me, while a postdoc at Northern Arizona University; 2010–2013). Primary topic: Spatial heterogeneity in response of male greater sage-grouse lek attendance to energy development (2010–2013)
Current Position: Assistant Professor – University of North Texas

Career total for Grant Awards and Research Contracts \$12.05 million USD

Supporting Entities Funding my Research at the University of Wyoming

Energy and Mining Industries

American Colloid Company; Anadarko Petroleum Company; Black Diamond Minerals, LLC; BP Corporation North America; enXco; Devon Energy; Horizon Wind Energy; Iberdrola Renewables; Jonah Energy LLC; Linn Energy; Marathon Oil Corporation/Pennaco; Memorial Resource Development; PacifiCorp; Petro-Canada; Samson Resources; Warren Resources

Federal Agencies

National Science Foundation EPSCoR RII Track-2; USDA–Agricultural Research Service; USDA–Forest Service; USDA–MacIntire-Stennis Formula Grant; USDI Bureau of Land Management–Bureau Planning System funding; USDI–Bureau of Land Management–Energy Pilot funding; USDI–Bureau of Land Management–Special Status Species Populations and Habitats; USDI–Wild Horse Research Committee

National and State Organizations

Animal Welfare Institute, Avian Power Line Interaction Committee; Meg and Bert Raynes Wildlife Fund; National Fish and Wildlife Foundation; Western Association of Fish and Wildlife Agencies; National Wind Coordinating Collaborative–Sage-grouse Collaborative; Wyoming Wildlife Federation; Wyoming Sportsmen for Fish and Wildlife, Wyoming Wild Sheep Foundation

State Agencies

Bates Hole, Bighorn Basin, South-Central, Southwest, and Wind River/Sweetwater River Local Sage-Grouse Work Groups; Wyoming Game and Fish Department–Sage-Grouse Conservation Fund; Wyoming Governor’s Big Game License Coalition–Bighorn Sheep and All Species Project Committees; Wyoming Department of Agriculture; Wyoming Wildlife and Natural Resources Trust

University of Wyoming

Agricultural Experiment Station; College of Agriculture Dean’s Discretionary Funds; Cooperative Extension Service; Margaret and Sam Kelly Ornithological Research Fund; Office of Academic Affairs; School of Energy Resources; Wyoming Reclamation and Restoration Center

Award Nominator

- | | |
|------|---|
| 2018 | Thomas J. Christiansen, Wyoming Game and Fish Department – 2018 Robert L. Patterson Award, Awarded by Sage and Columbian Sharp-tailed Grouse Technical Committee, Western Association of Fish and Wildlife Agencies |
| 2015 | Anadarko Petroleum – 2015 Research Partner Award, Awarded by College of Agriculture and Natural Resources, University of Wyoming |

Graduate Student Awards (students whom I advised in my lab). 14 awards

- 2025 Courtney Buchanan (PhD candidate), was awarded a Carlton R. Barkhurst Fellowship from the University of Wyoming to complete her dissertation in spring semester 2025
- 2024 Jonathan Lautenbach (PhD candidate), was awarded the Robert L. Patterson Young Professional Award by the Sage and Columbian Sharp-tailed Grouse Technical Committee of the Western Association of Fish and Wildlife Agencies
- 2024 Jonathan Lautenbach (PhD candidate), was awarded a John P. Ellbogen Outstanding Graduate Assistant Teaching Award
- 2023 Courtney Buchanan (PhD candidate), was awarded Third Place in the Graduate Student oral presentation competition at the 76th Annual Conference of the Society for Range Management, Boise, Idaho
- 2019 Jason Carlisle (I was a member of his PhD committee) and Kurt Smith (PhD), in collaboration with Dr. Anna D. Chalfoun, Wyoming Cooperative Fish and Wildlife Research Unit, 2019 Harry R. Painton Award. Award presented by the American Ornithological Society for our paper titled “Nontarget Effects on Songbirds from Habitat Manipulation for Greater Sage-Grouse: Implications for the Umbrella Species Concept.”
- 2016 Kurt Smith (PhD), Outstanding PhD student in the College of Agriculture and Natural Resources. Award presented by University of Wyoming chapter of Gamma Sigma Delta
- 2016 Kurt Smith (PhD), First Place in the PhD-level oral research presentation competition 69th Annual Conference of the Society for Range Management, Corpus Christi, Texas
- 2015 Justin Clapp (MS), Outstanding MS student in Rangeland Ecology and Watershed Management. Award presented by University of Wyoming chapter of Gamma Sigma Delta
- 2014 Clay Buchanan’s (PhD), article “Focus area research indicates elk response to energy development,” was selected as the 2014 student article for the University of Wyoming, Agricultural Experiment Station, *Reflections Magazine*
- 2014 Clay Buchanan (PhD), Outstanding PhD student from Ecosystem Science and Management. Award presented by University of Wyoming chapter of Gamma Sigma Delta
- 2013 Chris Kirol (MS), Outstanding M.S. Thesis Award for 2013 from the Graduate Council of the University of Wyoming
- 2011 Jennifer Hess (MS), Outstanding MS student in the College of Agriculture and Natural Resources. Award presented by University of Wyoming chapter of Gamma Sigma Delta
- 2010 Clay Buchanan (MS), Best PhD poster and the best overall poster awards. Student research-in—progress poster session, The Wildlife Society, 17th Annual Conference, Snowbird, Utah
- 2010 Chris Kirol (MS), Outstanding MS student in Rangeland Ecology and Watershed Management. Award presented by University of Wyoming chapter of Gamma Sigma Delta

Undergraduate Student Awards (students whom I advised)

- 2010 Amanda O’Donnell (my advisee) won outstanding female freshman student in the College of Agriculture and Natural Resources. Award presented by University of Wyoming chapter of Gamma Sigma Delta

AWARDS. 23 awards, nominations for awards, or scholarships

- 2025 The Wildlife Society Fellows Award (awarded Oct 2025)
- 2024 Our Wildlife Monograph “Response of greater sage-grouse to sagebrush reduction treatments in Wyoming big sagebrush” was selected as the best monograph in the monograph category for 2024 by The Wildlife Society Publication Awards.
- 2024 University of Wyoming Agricultural Experiment Station, Outstanding Research Achievement Award
- 2020 I was nominated for the 2020 Lawrence Meeboer Classroom Teaching Award, College of Agriculture and Natural Resources, University of Wyoming. This is a student-nominated award
- 2019 I was a co-awardee for the 2019 George Mercer Award. Awardees included Jesmer, Brett R., Merkle, Jerod A., Goheen, Jacob R., Aikens, Ellen O., Beck, Jeffrey L., Courtemanch, Alyson B., Hurley, Mark A., McWhirter, Douglas E., Miyasaki, Hollie M., Monteith, Kevin L., and Kauffman, Matthew J. This was presented by the Ecological Society of America.
- 2019 I received a Certificate of Attendance for the University of Wyoming, Department of Ecosystem Science and Management, Entomology Short Course held March 19-21, 2019
- 2019 2019 Harry Painton Award. Every two years, the American Ornithological Society presents this award for a paper published during the preceding two years in “The Condor: Ornithological Applications” that has made an exceptional contribution to ornithology. Our (J. D. Carlisle, A. D. Chalfoun, K. T. Smith, and J. L. Beck) paper was titled "Nontarget effects on songbirds from habitat manipulation for Greater Sage-Grouse: Implications for the umbrella species concept."
- 2019 Outstanding Faculty Award, University of Wyoming Range Club
- 2018 I was nominated for the 2018 Lawrence Meeboer Classroom Teaching Award, College of Agriculture and Natural Resources, University of Wyoming. This is a student nominated award
- 2016 First Place Quiz Bowl Team, 2016 Wyoming Chapter of the Wildlife Society Annual Meeting, Cody, Wyoming, USA. Team members: J. Beck, K. Smith, L. Schreiber, T. Zaffarano
- 2015 I was nominated (but was not awarded) for the Wyoming Chapter of the Wildlife Society for the 2015 Professional of the Year award

- 2013 2013 Early Career Undergraduate Teaching Award, Range Science Education Council and the Society for Range Management
- 2012 Wyoming Game and Fish Department, Team of the Year Award (2011) – Interagency Sage-Grouse Core Area Strategy Implementation Team
- 2012 University of Wyoming Agricultural Experiment Station, Early Career Research Achievement Award
- 2010 Outstanding Advisor, University of Wyoming, Student Section of the Society for Range Management
- 2009 Outstanding URME Coach, University of Wyoming, Student Section of the Society for Range Management
- 2008 Outstanding URME Coach, University of Wyoming, Student Section of the Society for Range Management
- 2004 Outstanding Graduate Student in Wildlife Resources, Department of Fish and Wildlife Resources, College of Natural Resources, University of Idaho
- 03–04 Teaching Excellence Award, Graduate Student Association, University of Idaho
- 2003 Alumni Award for Excellence, nominated (but was not awarded) as one of the top 15 graduate and/or law students at the University, Alumni Association, University of Idaho
- 2003 Graduate Student Association travel award (\$550), University of Idaho
- 1996 Second Place, Graduate Student Research Poster Contest, College of Biology and Agriculture, Brigham Young University
- 92–94 Departmental Scholarships, Brigham Young University

University of Wyoming Coach for Society for Range Management Undergraduate Range Management Exam Team

UW team placement/total college and university teams competing in national competition

- 2025 – Spokane, WA – 8/23
- 2024 – Sparks, NV – 9/20
- 2023 – Boise, ID – 19/20
- 2014 – Orlando, FL – 4/21
- 2013 – Oklahoma City, OK – 8/27
- 2012 – Spokane, WA – 2/25
- 2011 – Billings, MT – 2/25
- 2010 – Denver, CO – 2/23
- 2009 – Albuquerque, NM – 5/23
- 2008 – Louisville, KY – 2/20

Undergraduate Courses Taught at University of Wyoming (56, 3 or 4-credit hour semester classes taught)

- 2018–2022 Wyoming Wildlands: Science and Stewardship (RNEW 1000; fall semester; team taught)
- 2008–2011 Range Judging (REWM 3390; spring semester)
- 2018–2019 Nutr. Ecol. and Manage. of Rangeland Herbivores (REWM 4100 [4100/5100]; team taught with Dr. Derek Scasta)
- 2008 Rangeland Restoration Ecology (REWM 4580/5580; spring semester 2008 only)
- 2008–2025 Rangeland Ecosystem Assessment and Monitoring (REWM 4330; fall semester)
- 2009–2025 Rangeland Vegetation Management Techniques (REWM 4850; spring semester)
- 10,12,14,16,17,20–25 Wildlife Habitat Restoration Ecology (REWM 4750 [4750/5750]; spring semester of even years)
- 2010–2012 Undergraduate Teaching Practicum (REWM 4990; fall semester)
- 11, 15 Problems (REWM 4540)
- 08, 11, 14, 15 Internship (REWM 4550)

Graduate Courses Taught at University of Wyoming (13, 3-credit hour and 5, 2-credit hour semester classes taught)

- 2018–2019 Nutr. Ecol. and Manage. of Rangeland Herbivores (REWM 5100 [4100/5100]; team taught with Dr. Derek Scasta)
- 10,12,14,16,17, 20–25 Wildlife Habitat Restoration Ecology (REWM 5750 [4750/5750]; spring semester of even years)
- 09, 11, 13, 15 Wildlife Habitat Ecology (REWM 5830; spring semester of odd years)
- 2008–2025 Thesis Research (REWM 5960; spring semester, summer session, and fall semester)
- 2008–2025 Dissertation Research (REWM 5980; spring semester, summer session, and fall semester)
- 2015 Modeling Resource Selection and Habitat-Based Demography (RNEW 5990-03; team-taught w/Jonathan Dinkins)
- 09, 11, 12, 15, 16 Investigation (REWM 5640)
- 2017 Investigation (RNEW 5990)

Invited Teaching/Outreach Lectures = 45 (3 w/graduate students)

Invited Teaching Seminars = 2