

Jeffrey L. Beck

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EDUCATION

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

PROFESSIONAL EXPERIENCE

2007–Present	Asst Professor	Wildlife Hab Restoration Ecol	University of Wyoming
2006–2007	Postdoc Scientist	Habitat Modeling Analyst	University of Wyoming
2005–2006	Avian Scientist	Sagebrush Steppe Wildlife	Colorado Div of Wildlife
2005	Postdoc Scientist	Forest Wildlife Monitoring	University of Wyoming
2004–2005	Postdoc Scientist	Upland Game Ecology	University of Idaho
1996–1997	Wildlife Biologist II	Lands (Habitat)	Utah Div of Wildlife

RELEVANT RESEARCH PUBLICATIONS

Peer-Refereed Journal Articles

- K. E. Doherty, **J. L. Beck**, and D. E. Naugle. *In review*. Comparing ecological site descriptions to habitat characteristics influencing greater sage-grouse nest site occurrence and success.
- Beck, J. L.**, J. W. Connelly, and C. L. Wambolt. *In review*. Consequences of big sagebrush treatments to habitats and focal wildlife species.
- Beck, J. L.**, R. C. Skorkowsky, and G. D. Hayward. *Accepted*. Estimating occupancy to monitor northern goshawk trend in the U.S. Forest Service Rocky Mountain Region. *Journal of Wildlife Management*
- Beck, J. L.**, D. C. Dauwalter, K. G. Gerow, G. D. Hayward. 2010. Design to monitor trend in abundance and presence of American beaver (*Castor canadensis*) at the national forest scale. *Environmental Monitoring and Assessment* 164:463–479.
- 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.
- 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.
- 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.
- 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.
- 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.
- Beck, J. L.**, K. P. Reese, P. Zager, and T. E. Heekin. 2005. Simultaneous multiple clutches and female breeding success in mountain quail. *Condor* 107:891–899.
- 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.
- 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.

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.

Beck, J. L., and D.L. Mitchell. 2000. Influences of livestock grazing on sage grouse habitat. *Wildlife Society Bulletin* 28:993–1002.

Book Chapters

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

Symposia Proceedings:

Hess, J. E., and **J. L. Beck**. *Accepted*. Burning and mowing Wyoming big sagebrush: Do treatments meet minimum guidelines for greater sage-grouse breeding and late brood-rearing habitats? Proceedings of the 16th Wildland Shrub Symposium (Threats to Shrubland Ecosystem Integrity, Logan, Utah, May 18–20, 2010), USDA Forest Service, Rocky Mountain Research Station.

Beck, J. L., J. G. Klein, J. Wright, and K. P. Wolfley. *Accepted*. Potential and pitfalls of prescribed burning big sagebrush to enhance nesting and early brood-rearing habitats for greater sage-grouse. Proceedings of the 15th Wildland Shrub Symposium (Shrublands: Wildlands and Wildlife Habitats, Bozeman, Montana, June 17–19, 2008), USDA Forest Service, Rocky Mountain Research Station.

Beck, J. L. 2009. Impacts of oil and natural gas on prairie grouse: current knowledge and research needs. Pages 66–87 in R. I. Barnhisel, editor. 2009 Joint Conference: 26th Annual Meeting of the American Society for Mining and Reclamation and 11th Billings Land Reclamation Symposium. Billings, Montana, USA.

Beck, J. L., J. T. Flinders, D. R. Nelson, C. L. Clyde, H. D. Smith, and P. J. Hardin. 1998. Diet selection and importance of management indicator species to elk and domestic sheep in a north-central Utah aspen ecosystem. Pages 131–137 in James C. deVos Jr., editor. Proceedings of the 1997 Deer/Elk Workshop, Rio Rico, Arizona. Arizona Game and Fish Department, Phoenix, USA.

Beck, J. L., J. T. Flinders, D. R. Nelson, and C. L. Clyde. 1996. Dietary overlap and preference of elk and domestic sheep in aspen-dominated habitats in north-central Utah. Pages 81–85 in K.E. Evans, compiler. *Sharing common ground on western rangelands: Proceedings of a livestock/big game symposium*. General Technical Report INT-GTR-343. USDA Forest Service, Intermountain Research Station, Ogden, Utah.

Experiment Station and Cooperative Extension Service Bulletins

Beck, J. L., C. W. LeBeau, A. M. Mason, and K. R. Simpson. *Accepted*. Reducing impacts of energy developments to sagebrush wildlife habitats in Wyoming. University of Wyoming, Cooperative Extension Service, Laramie, Wyoming, USA.

Beck, J. L., and J. D. Reed. 2001. Tannins: anti-quality effects on forage protein and fiber digestion. Pages 18–22 in K. Launchbaugh, editor. *Anti-quality factors in rangeland and pastureland forages*. Bulletin 73. Idaho Forest, Wildlife and Range Experiment Station, University of Idaho, Moscow.

COURSES TAUGHT

- Rangeland Ecosystem Assessment and Monitoring (REWM 4330) – fall semester
- Range Judging (REWM 3390) – spring semester
- Rangeland Vegetation Management Techniques (REWM 4850) – spring semester
- Wildlife Habitat Ecology (REWM 5830) – spring semesters odd years
- Wildlife Habitat Restoration Ecology (REWM 4750/5750) – spring semesters even years

PROFESSIONAL CERTIFICATIONS

- 2005 – Certified Wildlife Biologist, The Wildlife Society
- 1996 – Associate Wildlife Biologist, The Wildlife Society

PROFESSIONAL SOCIETY MEMBERSHIPS

- Society for Range Management – since 1992
- The Wildlife Society – since 1992