

Literature Cited

- Aldridge, C.L. and M.S. Boyce. 2007. Linking occurrence and fitness to persistence: A habitat-based approach for greater sage-grouse. *Ecological Applications* 17:508–526.
- Avian Power Line Interaction Committee [APLIC]. 2015. Best Management Practices for Electric Utilities in Sage-Grouse Habitat. Edison Electric Institute and Avian Power Line Interaction Committee. Washington D.C., USA.
- Baruch-Mordo, S., J.S. Evans, J.P. Severson, D.E. Naugle, J.D. Maestas, J.M. Kiesecker, M.J. Falkowski, C.A. Hagen and K.P. Reese. 2013. Saving sage-grouse from the trees: a proactive solution to reducing a key threat to a candidate species. *Biological Conservation* 167:233–241.
- Bates, J.D., K.W. Davies, A. Hulet, R.F. Miller and B. Roundy. 2017. Sage grouse groceries: forb response to piñon-juniper treatments. *Rangeland Ecology and Management* 70:106–115.
- Baxter, R.J., K.D. Bunnell, J.T. Flinders and D.L. Mitchell. 2007. Impacts of predation on greater sage-grouse in Strawberry Valley, Utah. *North American Wildlife and Natural Resources Conference* Vol. 72.
- Baxter, R.J., J.T. Flinders and D.L. Mitchell. 2008. Survival, movements, and reproduction of translocated greater sage-grouse in Strawberry Valley, Utah. *Journal of Wildlife Management* 72:179–186.
- Baxter, R.J., R.T. Larsen and J.T. Flinders. 2013. Survival of resident and translocated greater sage-grouse in Strawberry Valley, Utah: A 13-year study. *The Journal of Wildlife Management* 77:802–811.
- Baxter, J.J., R.J. Baxter, D.K. Dahlgren and R.T. Larsen. 2017. Resource selection by greater sage-grouse reveals preference for mechanically-altered habitats. *Rangeland Ecology and Management* 70:493–503.
- 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., J.W. Connelly and C.L. Wambolt. 2012. Consequences of treating Wyoming big sagebrush to enhance wildlife habitats. *Rangeland Ecology and Management* 65:444–455.
- Beck, J.L. and D.L. Mitchell. 2000. Influences of livestock grazing on sage grouse habitat. *Wildlife Society Bulletin* 28:993–1002.
- 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.
- Beever, E.A. and C.L. Aldridge. 2011. Influences of free-roaming equids on sagebrush ecosystems, with focus on greater sage-grouse. Pages 273–290 in S.T. Knick and J.W. Connelly, editors. *Greater Sage-Grouse: ecology and conservation of a landscape*

species and its habitats. *Studies in Avian Biology* (vol. 38). University of California Press, Berkeley, California, USA.

Billings, W.D. 1994. Ecological impacts of cheatgrass and resultant fire on ecosystems in the western Great Basin. Pages 22–30 in S.B. Monsen, S.G. Kitchen, editors. *Proceedings-ecology and management of annual rangelands*. Department of Agriculture, Forest Service, Intermountain Research Station General Technical Report INT-GTR-313. Ogden, Utah, USA.

Boarman, W.I. and B. Heinrich. 1999. Common Raven (*Corvus corax*). in A.F. Poole and F.B. Gill, editors. *The Birds of North America*. Cornell Lab of Ornithology, Ithaca, NY, USA.

Boyd, C.S., D.D. Johnson, J.D. Kerby, T.J. Svejcar and K.W. Davies. 2014. Of grouse and golden eggs: can ecosystems be managed within a species-based regulatory framework? *Rangeland Ecology and Management* 67:358–368.

Breidinger L.S., K.E. Mock and T.A. Messmer, 2013. Greater Sage-Grouse and natural gas development in Utah: using population genetic data for conservation efforts. *Western North American Naturalist*. 73:177–83.

Bunnell, K.D. 2000. Ecological factors limiting sage grouse recovery and expansion in Strawberry Valley, Utah. Thesis, Brigham Young University, Provo, Utah, USA.

Bybee, J., B.A. Roundy, K.R. Young, A. Hulet, D.B. Roundy, L. Crook, Z. Aanderud, D.L. Eggett, and N.L. Cline. 2016. Vegetation response to piñon and juniper tree shredding. *Rangeland Ecology and Management*. 69:224–234.

Carpenter, J.E., C.L. Aldridge and M.S. Boyce. 2010. Sage-grouse habitat selection during winter in Alberta. *Journal of Wildlife Management* 74:1806–1814.

Chelak, M. and T.A. Messmer. 2016. Population dynamics and seasonal movements of translocated and resident greater sage-grouse populations (*Centrocercus urophasianus*), Sheeprock Sage-grouse Management Area. Annual Report. Jack H. Berryman Institute, Utah State University, Logan, UT. 29pps.

Chelak, M. and T.A. Messmer. 2017. Population dynamics and seasonal movements of translocated and resident greater sage-grouse (*Centrocercus urophasianus*), Sheeprock Sage-grouse Management Area. [Annual Report](#). Jack H. Berryman Institute, Utah State University, Logan. 34 pps.

Coates, P.S. and D.J. Delehanty. 2008. Effects of environmental factors on incubation patterns of greater sage-grouse. *The Condor* 110:627–638.

Coates, P.S., K.B. Howe, M.L. Casazza and D.J. Delehanty. 2014b. Common raven occurrence in relation to energy transmission line corridors transiting human-altered sagebrush steppe. *Journal of Arid Environments* 111:68–78.

- Coates, P.S., K.B. Howe, M.L. Casazza and D.J. Delehanty. 2014a. Landscape alterations influence differential habitat use of nesting raptors within sagebrush ecosystem: Implications for transmission line development. *The Condor* 116:341–356.
- Coates, P.S., B.G. Prochazka, M.A. Ricca, K.B. Gustafson, P. Ziegler and M.L. Casazza. 2017. Pinyon and juniper encroachment into sagebrush ecosystems impacts distribution and survival of greater sage-grouse. *Rangeland Ecology and Management* 70:25–38.
- Connelly, J.W., S.T. Knick, M.A. Schroeder and S.J. Stiver. 2004. Conservation assessment of greater sage-grouse and sagebrush habitats. Western Association of Fish and Wildlife Agencies. Unpublished Report. Cheyenne, Wyoming, USA.
- Connelly, J.W., K.P. Reese, R.A. Fischer and W.L. Wakkinen. 2000. Response of a sage grouse breeding population to fire in southeastern Idaho. *Wildlife Society Bulletin* 28:90–96.
- Connelly, J.W., E.T. Rinkes and C.E. Braun. 2011. Characteristics of greater sage-grouse habitats: a landscape species at micro- and macroscales. Pages 69–83 in S.T. Knick and J.W. Connelly, editors. *Greater Sage-Grouse: ecology and conservation of a landscape species and its habitats*. Studies in Avian Biology (vol. 38). University of California Press, Berkeley, California, USA.
- Connelly, J.W., M.A. Schroeder, A.R. Sands and C.E. Braun. 2000b. Guidelines to manage sage grouse populations and their habitats. *Wildlife Society Bulletin* 28:967–985.
- Cook, A.A., T.A. Messmer and M.R. Guttery. 2017. Greater sage-grouse use of mechanical conifer reduction treatments in northwest Utah. *Wildlife Society Bulletin* 41:27–33.
- Conover, M.R. and A.J. Roberts. 2017. Predators, predator removal, and sage-grouse: A review. *Journal of Wildlife Management* 81:7–15.
- Crawford, J.A., R.A. Olson, N.E. West, J.C. Mosley, M.A. Schroeder, T.D. Whitson, R.F. Miller, M.A. Gregg and C.S. Boyd. 2004. Ecology and management of sage-grouse and sage-grouse habitat. *Journal of Range Management* 57:2–19.
- Cross, T.B., M.K. Schwartz, D.E. Naugle, B.C. Fedy, J.R. Row, S.J. Oyler-McCance. The genetic network of greater sage-grouse: Range-wide identification of keystone hubs of connectivity. *Ecol Evol.* 2018; 00:1–19.
- Dahlgren, D.K., R. Chi and T.A. Messmer. 2006. Greater sage-grouse response to sagebrush management in Utah. *Wildlife Society Bulletin* 34:975–985.
- Dahlgren, D.K., R.T. Larsen, R. Danvir, G. Wilson, E.T. Thacker, T.A. Black, D.E. Naugle, J.W. Connelly and T.A. Messmer. 2015. Greater Sage-Grouse and Range Management: Insights from a 25-Year Case Study in Utah and Wyoming. *Rangeland Ecology and Management* 68:375–382.

- Dahlgren, D.K., M.R. Guttery, T.A. Messmer, D. Caudill, R.D. Elmore, R. Chi and D.N. Koons. 2016b. Evaluating Vital-Rate Contributions to Greater Sage-Grouse Population Dynamics to Inform Conservation. *Ecosphere* 7(3):e01249.
- Dahlgren, D.K., T.A. Messmer, B.A. Crabb, R.T. Larsen, T.A. Black, S.N. Frey, E.T. Thacker, R.J. Baxter and J.D. Robinson. 2016a. Seasonal Movements of Greater Sage-Grouse Populations in Utah: Implications for Species Conservation. *Wildlife Society Bulletin* 40:288–299.
- Danvir, R.E. 2018. Multiple-use management of western US rangelands: wild horses, wildlife, and livestock. *Human–Wildlife Interactions* 12:5–17.
- Danvir, R.E., W.J. Hopkin, G.E. Simonds, B. Teichert, S.L. Kearl, J.F. Kimball, R.M. Welch, A. Aoude and J. Haskell. 2005. Sagebrush, sage-grouse and ranching: A holistic approach. *Transactions of the North American Wildlife and Natural Resources Conference* 70:188–205.
- Dettenmaier, S.J. and T.A. Messmer. 2014. Annual report greater sage-grouse response to season-long and prescribed grazing (NRCS conservation practice 528) on paired ecological sites: annual report. Utah State University, Logan, Utah, USA.
- Dettenmaier, S.J. and T.A. Messmer. 2015. Annual report greater sage-grouse response to season-long and prescribed grazing (NRCS conservation practice 528) on paired ecological sites: annual report. Utah State University, Logan, Utah, USA.
- Dettenmaier, S.J. and T.A. Messmer. 2016. Greater Sage-grouse Response to Season-Long and Prescribed Grazing (NRCS Conservation Practice 528) on Paired Study Sites in Rich County, Utah, USA. Final Report. Utah State University, Logan, Utah, USA.
- Dettenmaier, S.J., T.A. Messmer, T.J. Hovick and D.K. Dahlgren. 2017. Effects of livestock grazing on rangeland biodiversity: A meta-analysis of grouse populations. *Ecology and Evolution* 7:7620–7627. <https://doi.org/10.1002/ece3.3287>
- Dinkins, J.B., M.R. Conover, C.P. Kirol and J.L. Beck. 2012. Greater sage-grouse (*Centrocercus urophasianus*) select nest sites and brood sites away from avian predators. *Auk* 129:600–610.
- Dinkins, J.B., M.R. Conover, C.P. Kirol, J.L. Beck and S.N. Frey. 2014. Greater sage-grouse (*Centrocercus urophasianus*) hen survival: effects of raptors, anthropogenic and landscape features, and hen behavior. *Canadian Journal of Zoology* 92:319–330.
- 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.
- Doherty K.E., J.S. Evans, P.S. Coates, L.M. Juliusson and B.C. Fedy. 2016. Importance of regional variation in conservation planning: A rangewide example of the Greater Sage-Grouse. *Ecosphere* 7(10):e01462. 10.1002/ecs2.1462.

- Doherty, K.E., D.E. Naugle, B.L. Walker and J.M. Graham. 2008. Greater sage-grouse winter habitat selection and energy development. *Journal of Wildlife Management* 72:187–195.
- Duvuvuei, O.V., N.W. Gruber-Hadden, T.A. Messmer, M.R. Guttery and B.D. Maxfield. 2017. Contribution of translocated greater sage-grouse to population vital rates. *Journal of Wildlife Management* 81: 1033–1041. doi:10.1002/jwmg.21264
- Dwyer, J.F. and K.W. Doloughan. 2014. Testing systems of avian perch deterrents on electric power distribution poles in sage-brush habitat. *Human–Wildlife Interactions* 8:39–55.
- Falkowski, M.J., J.S. Evans, D.E. Naugle, C.A. Hagen, S.A. Carleton, J.D. Maestas, A.H. Khalyani, A.J. Poznanovic and A.J. Lawrence. 2017. Mapping tree canopy cover in support of proactive prairie grouse conservation in western North America. *Rangeland Ecology and Management* 70:15–24.
- Falkowski, M.J., N. Kayastha and A.J. Poznanovic. 2014. USDA-NRCS Utah conifer mapping spatial layer. <160.94.138.23>.
- Fedy, B.C., K.E. Doherty, C.L. Aldridge, M. O’Donnell, J.L. Beck, B. Bedrosian, D. Gummer, M.J. Holloran, G.D. Johnson, N.W. Kaczor, C.P. Kiriol, C.A. Mandich, D. Marshall, G. McKee, C. Olson, A.C. Pratt, C.C. Swanson and B.L. Walker. 2014. Habitat prioritization across large landscapes, multiple seasons, and novel areas: an example using greater sage-grouse in Wyoming. *Wildlife Monographs* 190:1–39.
- Frey, S.N., R. Curtis and K. Heaton. 2013. Response of a small population of greater sage-grouse to tree removal: implications of limiting factors. *Human Wildlife Interactions* 7:260–272.
- Gifford, S., C. McGinty, L. L. Stoner, E. L. McGinty, R. D. Ramsey. 2014. Baseline Disturbance Mapping of Greater Sage-Grouse Management Areas in Utah: Final Report. Remote Sensing/GIS Laboratory, S.J. & Jessie E. Quinney College of Natural Resources, Utah State University, Logan, Utah, USA.
- Green, A.W., C.L. Aldridge and M.S. O'Donnell. 2017. Investigating impacts of oil and gas development on greater sage-grouse. *The Journal of Wildlife Management* 81:46–57.
- Gregory, A.J. and J.L. Beck. 2014. Spatial heterogeneity in response of male greater sage-grouse lek attendance to energy development. *PloS One* 9(6):e97132. <https://doi.org/10.1371/journal.pone.0097132>
- Gregg, M.A., J.A. Crawford, M.S. Drut and A.K. DeLong. 1994. Vegetational cover and predation of sage grouse nests in Oregon. *The Journal of Wildlife Management* 58:162–166.
- Gruber-Hadden, N.W., T.A. Messmer, B.D. Maxfield, D.N. Koons and M.R. Guttery. 2016. Population vital rates of resident and translocated female greater sage-grouse. *Journal of Wildlife Management* 80:753–760. doi:[10.1002/jwmg.1062](https://doi.org/10.1002/jwmg.1062)

Guthery, F.S. 1997. A philosophy of habitat management for northern bobwhites. *The Journal of Wildlife Management* 61:291–301

Griner, L.A. 1939. A study of sage grouse (*Centrocercus urophasianus*), with special reference to life history, habitat requirements, and numbers and distribution. Thesis, Utah State Agricultural College, Logan, Utah, USA.

Hagen, C.A. 2011. Predation on greater sage-grouse: facts, process, and effects. Pages 95–100 in Knick, S.T. and J.W. Connelly, editors. *Greater sage-grouse: ecology and conservation of a landscape species and its habitats*. Studies in Avian Biology. University of California Press, Berkeley, California, USA.

Hansen, E.P., A.C. Stewart and S.N. Frey. 2016. Influence of transmission line construction on winter sage-grouse habitat use in Southern Utah. *Human-Wildlife Interactions* 10:169–[187](#).

Harju, S.M., M.R. Dzialak, R.C. Taylor, L.D. Hayden-Wing and J.B. Winstead. 2010. Thresholds and time lags in effects of energy development on greater sage-grouse. *Journal of Wildlife Management* 74:437–448.

Holloran, M.J., B.J. Heath, A.G. Lyon, S.J. Slater, J.L. Kuipers and S.H. Anderson. 2005. Greater sage-grouse nesting habitat selection and success in Wyoming. *Journal of Wildlife Management* 69:638–649.

Holloran, M.J., R.C. Kaiser and W.A. Hubert. 2010. Yearling greater sage-grouse response to energy development in Wyoming. *Journal of Wildlife Management* 74:65–72.

Hovick T.J., R.D. Elmore, D.K. Dahlgren, S.D. Fuhlendorf, D.M. Engle and C. Elphick. 2014. Review: Evidence of negative effects of anthropogenic structures on wildlife: a review of grouse survival and behaviour. *Journal of Applied Ecology* 51:1680-9. doi: 10.1111/1365-2664.12331.

Howe, K.B., P.S. Coates and D.J. Delehanty. 2014. Selection of anthropogenic features and vegetation characteristics by nesting common ravens in the sagebrush ecosystem. *The Condor* 116:35–49.

Johnson, D.H., M.J. Holloran, J.W. Connelly, S.E. Hanser, C.L. Amundson and S.T. Knick. 2011. Influences of Environmental and Anthropogenic Features on Greater Sage-Grouse Populations. Pages 407–450 in S.T. Knick and J.W. Connelly, editors. *Greater Sage-Grouse: ecology and conservation of a landscape species and its habitats*. Studies in Avian Biology (vol. 38). University of California Press, Berkeley, California, USA.

Knick, S.T. and J.W. Connelly. 2011. Greater sage-grouse and sagebrush: an introduction to the landscape. Pages 1–9 in S.T. Knick and J.W. Connelly, editors. *Greater Sage-grouse ecology and conservation of a Landscape Species*. Studies in Avian Biology Number 38. University of California Press, Berkeley, USA.

Knick, S.T., S.E. Hanser, R.F. Miller, D.A. Pyke, M.J. Wisdom, S.P. Finn, E.T. Rinkes and C.J. Henny. 2011. Ecological influence and pathways of land use in sagebrush. Pages 203–251 in S.T. Knick and J.W. Connelly, editors. Greater sage-grouse: ecology and conservation of a landscape species and its habitats. Studies in Avian Biology (vol. 38). University of California Press, Berkeley, California, USA.

Kormos, P.R., D. Marks, F.B. Pierson, C.J. Williams, S.P. Hardegree, S. Havens, A. Hedrick, J.D. Bates and T.J. Svejcar. 2017. Ecosystem water availability in juniper versus sagebrush snow-dominated rangelands. *Rangeland Ecology and Management* 70:116–128.

Kohl, M.T., T.A. Messmer, B.A. Crabb, D.K. Dahlgren, R.T. Larsen, S.N. Frey, S. Liguori and R.J. Baxter. Under Review. The effects of electric power lines on the breeding ecology of greater sage-grouse. *Plos One*.

LeBeau, C.W., J.L. Beck, G.D. Johnson and M.J. Holloran. 2014. Short-term impacts of wind energy development on greater sage-grouse fitness. *The Journal of Wildlife Management* 78:522–530.

LeBeau, C.W., J.L. Beck, G.D. Johnson, R.M. Nielson, M.J. Holloran, K.G. Gerow and T.L. McDonald. 2017a. Greater sage-grouse male lek counts relative to a wind energy development. *Wildlife Society Bulletin* 41:17–26.

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. 2017b. Greater sage-grouse habitat selection, survival, and wind energy infrastructure. *The Journal of Wildlife Management* 81:690–711.

Lyon, A.G. and S.H. Anderson. 2003. Potential gas development impacts on sage grouse nest initiation and movement. *Wildlife Society Bulletin* 31:486–491.

Manier, D.J., Z.H. Bowen, M.L. Brooks, M.L. Casazza, P.S. Coates, P.A. Deibert, S.E. Hanser and D.H. Johnson. 2014. Conservation buffer distance estimates for greater sage-grouse: a review. U.S. Department of the Interior, U.S. Geological Survey.

Marzluff J.M., S.T. Knick, M.S. Vekasy, L.S. Schueck and T.J. Zarriello. 1997. Spatial use and habitat selection of golden eagles in southwestern Idaho. *Auk* 114: 673–687.

McIntyre, C.L. 2002. Patterns in nesting area occupancy and reproductive success of golden eagles (*Aquila chrysaetos*) in Denali National Park and Preserve, Alaska, 1988–99. *Journal of Raptor Research* 36:50–54.

Messmer, T.A., T. Black, S.N. Frey, S. Lupis and R. Hart. 2008. Utah Adaptive Resource Management Greater Sage-grouse Local Working Groups 2006–2007 Accomplishment Report. Utah State University Extension and Jack H. Berryman Institute, Logan, Utah, USA.

- Messmer T.A., R. Hasenyager, J. Burruss and S. Liguori. 2013. Stakeholder contemporary knowledge needs regarding the potential effects of tall structures on sage-grouse. *Human Wildlife Interactions* 7:273–298.
- Miller, R.F. and L.L. Eddleman. 2001. Spatial and temporal changes of sage-grouse habitat in the sagebrush biome. Oregon State University Agricultural Experiment Station Technical Bulletin 151. Corvallis, Oregon, USA.
- Miller, R.F., J. Ratchford, B.A. Roundy, R.J. Tausch, A. Hulet and J. Chambers. 2014. Response of conifer-encroached shrublands in the Great Basin to prescribed fire and mechanical treatments. *Rangeland Ecology and Management* 67:468–481.
- Miller, R.F., R.J. Tausch, E.D. McArthur, D.D. Johnson and S.C. Sanderson. 2008. Age structure and expansion of piñon-juniper woodlands: a regional perspective in the Intermountain West. Research Paper Report RMRS-RP-69. Department of Agriculture, U.S. Forest Service, Rocky Mountain Research Station. Fort Collins, Colorado, USA.
- Orning, E.K. and J.K. Young. 2017. Coyote removal: can the short-term application of a controversial management tool improve female greater sage-grouse survival or nest success? *Wildlife Biology* doi: 10.2981/wlb.00345
- Payne, T.M. 2011. The 3 creeks grazing allotment: a study of livestock grazing management across public and privately owned land. Thesis, Utah State University, Logan, Utah, USA.
- Peebles, L.W. 2015. Winter ecology of common ravens in southern Wyoming and the effects of raven removal on greater sage-grouse populations. Thesis, Utah State University, Logan, Utah, USA.
- Peebles, L.W. and M.R. Conover. 2016. Effectiveness of the toxicant DRC-1339 in reducing populations of common ravens in Wyoming. *Wildlife Society Bulletin* 40:281–287.
- Petersen, S.L., B.K. Nicholes, S.N. Frey, K.M. Heaton and D.L. Eggett. 2016. Response of greater sage-grouse to surface coal mining and habitat conservation in association with the mine. *Human–Wildlife Interactions* 10:207–216.
- Prather, P.R. and T.A. Messmer. 2010. Raptor and corvid response to power distribution line perch deterrents in Utah. *Journal of Wildlife Management* 74:796–800.
- Prochazka, B.G., P.S. Coates, M.A. Ricca, M.L. Casazza, K.B. Gustafson and J.M. Hull. 2017. Encounters with pinyon-juniper influence riskier movements in greater sage-grouse across the Great Basin. *Rangeland Ecology and Management* 70:39–49.
- Reese, K.P. and J.W. Connelly. 1997. Translocations of sage grouse *Centrocercus urophasianus* in North America. *Wildlife Biology* 3:852–864.

- Rice, M.B., L.G. Rossi and A.D. Apa. 2016. Seasonal Habitat Use by Greater Sage-Grouse (*Centrocercus urophasianus*) on a Landscape with Low Density Oil and Gas Development. *PLoS one* 11(10): e0165399. <https://doi.org/10.1371/journal.pone.0165399>
- Ripplinger, J., J. Franklin and T.C. Edwards. 2015. Legacy effects of no-analogue disturbances alter plant community diversity and composition in semi-arid sagebrush steppe. *Journal of Vegetation Science* 26:923–933.
- Robinson, J.D. and T.A. Messmer. 2013. Vital rates and seasonal movements of two isolated greater sage-grouse populations in Utah's West Desert. *Human Wildlife Interactions* 7:182–194.
- Roundy, B.A., K. Young, N. Cline, A. Hulet, R.F. Miller, R.J. Tausch, J.C. Chambers and B. Rau. 2014. Piñon–juniper reduction increases soil water availability of the resource growth pool. *Rangeland Ecology and Management* 67:495–505.
- Row, J., K. Doherty, T. Cross, M. Schwartz, S. Oyler-McCance, D. Naugle, S. Knick and B. Fedy. In Press. Quantifying functional connectivity: the role of breeding habitat, abundance, and landscape features on range-wide gene flow in sage-grouse. *Evolutionary Applications*.
- Sandford, C.P., D.K. Dahlgren and T.A. Messmer. 2015. Sage-grouse nests in an active conifer mastication site. *Prairie Naturalist* 47:105–106.
- Sandford, C.P., M.T. Kohl, T.A. Messmer, D.K. Dahlgren, A. Cook and B.R. Wing. 2017. Greater sage-grouse resource selection drives reproductive fitness in a conifer removal strategy. *Rangeland Management and Ecology* 70:59–67.
- Schroeder, M.A. and R.K. Baydack. 2001. Predation and the management of prairie grouse. *Wildlife Society Bulletin* 29:24–32.
- Severson, J.P., C.A. Hagen, J.D. Maestas, D.E. Naugle, J.T. Forbes and K.P. Reese. 2017a. Effects of conifer expansion on greater sage-grouse nesting habitat selection. *The Journal of Wildlife Management* 81:86–95.
- Severson, J.P., C.A. Hagen, J.D. Maestas, D.E. Naugle, J.T. Forbes and K.P. Reese. 2017b. Short-Term Response of Sage-Grouse Nesting to Conifer Removal in the Northern Great Basin. *Rangeland Ecology and Management* 70:50–58.
- Severson, J.P., C.A. Hagen, J.D. Tack, J.D. Maestas, D.E. Naugle, J.T. Forbes and K.P. Reese. 2017c. Better living through conifer removal: A demographic analysis of sage-grouse vital rates. *PLoS one*, 12(3): e0174347. <https://doi.org/10.1371/journal.pone.0174347>
- Severson, J.P., C.A. Hagen, J.D. Maestas, D.E. Naugle, J.T. Forbes and K.P. Reese. 2017d. Restoring Sage-grouse nesting habitat through removal of early successional conifer. *Restoration Ecology* 25:1026–1034. doi:10.1111/rec.12524

- Smith, K.T. and J.L. Beck. 2017. Sagebrush treatments influence annual population change for greater sage-grouse. *Restoration Ecology* 26:497–505. doi:10.1111/rec.12589
- Smith, J.T., J.D. Tack, K.E. Doherty, B.W. Allred, J.D. Maestas, L.I. Berkeley, S.J. Dettenmaier, T.A. Messmer and D.E. Naugle. 2018. Phenology largely explains taller grass at successful nests in greater sage-grouse. *Ecology and Evolution* 8:356–364.
- Stiver, S.J., A.D. Apa, J. Bohne, S.D. Bunnell, P. Deibert, S. Gardner, M. Hilliard, C. McCarthy and M.A. Schroeder. 2006. Greater sage-grouse comprehensive conservation strategy. Western Association of Fish and Wildlife Agencies, Cheyenne, Wyoming, USA.
- Taylor, R.L., J.D. Tack, D.E. Naugle and L.S. Mills. 2013. Combined effects of energy development and disease on greater sage-grouse. *PLoS One* 8(8): e71256. <https://doi.org/10.1371/journal.pone.0071256>
- The Nature Conservancy [TNC]. 2007. Conservation Action Planning Handbook: Developing Strategies, Taking Action and Measuring Success at Any Scale. The Nature Conservancy, Arlington, VA, USA.
- U.S. Bureau of Land Management [BLM]. 2018. Report to Congress-Management Options for a Sustainable Wild Horse and Burro Program. <http://www.rci-nv.com/photos/2018/05/FINAL-Report-to-Congress-BLM-Wild-Horse-and-Burro-Program.pdf>
- U.S. Natural Resources Conservation Service [NRCS]. 2012. Applying the sage-grouse fence collision risk tool to reduce bird strikes. Conservation Effects Assessment Project.
- U.S. Fish and Wildlife Service [USFWS]. 2010. Endangered and threatened wildlife and plants; 12-month findings for petitions to list the greater sage-grouse (*Centrocercus urophasianus*) as threatened or endangered. 75 FR 13909–14014.
- U.S. Fish and Wildlife Service [USFWS]. 2015. Endangered and threatened wildlife and plants; 12-month finding on a petition to list greater sage-grouse (*Centrocercus urophasianus*) as an endangered or threatened species. 80 FR 59857–59942.
- U.S. Fish and Wildlife Service [USFWS]. 2013. Greater sage-grouse (*Centrocercus urophasianus*) conservation objectives: final report. U.S. Fish and Wildlife Service, Denver, CO, USA.
- Utah Weed Control Association [UWCA]. 2004. Utah Strategic Plan for Managing Noxious and Invasive Weeds. State of Utah, Salt Lake City, Utah, USA.
- Utah Catastrophic Wildfire Reduction Steering Committee. 2013. Catastrophic Wildfire Reduction Strategy. Utah Department of Natural Resources, Salt Lake City, USA.
- Utah Public Land Policy Coordinating Office [PLPCO]. 2013. Conservation Plan for Greater Sage-grouse in Utah. State of Utah, Salt Lake City, Utah, USA.

Utah Division of Wildlife Resources [UDWR]. 2009. Utah Greater Sage-grouse Management Plan. Utah Department of Natural Resources, Division of Wildlife Resources. Publication 09–17. Salt Lake City, Utah, USA.

Utah Wildlife-in-Need Foundation [UWIN]. 2011. Protocol for investigating the effects of tall structures on sage-grouse (*Centrocercus spp.*) within designated or proposed energy corridors. Salt Lake City, Utah, USA,
<http://utahcbcp.org/files/uploads/UWIN_SageGrouse_Structure_ProtocolFinal.pdf>.

Walker, L.E. and J.M. Marzluff. 2015. Recreation changes the use of a wild landscape by corvids. *The Condor* 117:262–283.

Walters K., K. Kosciuch and J. Jones. 2014. Can the effect of tall structures on birds be isolated from other aspects of development? *Wildlife Society Bulletin* 38:250–256.

Western Association of Fish and Wildlife Agencies. 2015a. Greater Sage-grouse Population Trends: An Analysis of Lek Count Databases. Cheyenne, Wyoming, USA.

Western Association of Fish and Wildlife Agencies. 2015b. 2015 Western Invasive Weed Summit Summary and Next Steps. Cheyenne, Wyoming, USA.

West Desert Adaptive Resource Management Local Working Group (WDARM). 2007. West Desert Greater Sage-Grouse (*Centrocercus urophasianus*) Local Conservation Plan. Utah State University Extension and Jack H. Berryman Institute and Utah Division of Wildlife Resources. Salt Lake City, Utah. Unpublished Report.
<http://utahcbcp.org/files/uploads/westdesert/WDARMSAGRPlanFinal.pdf>

Wisdom M.J., C.W. Meinke, S.T. Knick and M.A. Schroeder. 2011. Factors Associated with extirpation of sage-grouse. Pages 451–472 in S.T. Knick and J.W. Connelly, editors. Greater Sage-grouse ecology and conservation of a Landscape Species. *Studies in Avian Biology* Number 38. University of California Press, Berkeley, USA.