CV for David E. Naugle

5 July 2018

Employment Profile:

Current	*Full Professor*, Wildlife Biology Program, Franke College of Forestry & Conservation, Univ of Montana
2004-2008	*Associate Wildlife Professor*, Wildlife Biology Program, College of Forestry & Conservation, Univ of Montana
2001-2004	*Assistant Wildlife Professor*, Wildlife Biology Program, College of Forestry & Conservation, Univ of Montana
1999-Present	*Adjunct Assistant Wildlife Professor,* Dept of Wildlife & Fisheries Sciences, South Dakota State University
1998-2001	*Assistant Professor of Wildlife,* College of Natural Resources, University of Wisconsin-Stevens Point

Education:

Ph.D. Biological Sciences, January 1998; South Dakota State University, Brookings, SD
M.S. Wildlife Science, December 1994; South Dakota State University, Brookings, SD
B.S. Wildlife Ecology and Conservation, May 1992; Northwest Missouri State University, Maryville, MO

Most Recent 32 Peer Reviewed Publications relevant to hearing:

2018 Smith, J.T., J.D. Tack, L.I. Berkeley, M. Szczypinski, and **D.E. Naugle**. Effects of livestock grazing on nesting sage grouse in central Montana. *Journal of Wildlife Management* In Press.

2018 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**. Phenology largely explains taller grass at successful nests in greater sage-grouse. *Ecology and Evolution* 8:356-364.

2018 Smith, J.T., J.D. Tack, L.I. Berkeley, M. Szczypinski, and **D.E. Naugle**. Effects of rotational grazing management on nesting greater sage-grouse. *Journal of Wildlife Management* 82:103-112.

2018 Robinson, N.P., B.W. Allred, W.K. Smith, M.O. Jones, A. Moreno, T.A. Erickson, **D.E. Naugle**, and S.W. Running. Terrestrial primary production for the conterminous United States derived from Landsat 30 m and MODIS 250 m. Remote Sensing in Ecology and Conservation *Early Online View*.

2018 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. Understanding biological effectiveness before scaling up range-wide restoration investments for Gunnison sage-grouse. *Ecosphere* 9:e02144.

2018 Row, J.R., K.E. Doherty, T.B. Cross, M.K. Schwartz, S. Oyler-McCance, **D.E. Naugle**, S.T. Knick, and B.C. Fedy. Quantifying functional connectivity: the role of breeding habitat, abundance, and landscape features on range-wide gene flow in sage-grouse. *Evolutionary Applications* Early On-line View.

2017 Robinson, N.P., B.W. Allred, M.O. Jones, A. Moreno, J.S. Kimball, D.E. Naugle, T.A. Erickson, and A.D. Richardson. A dynamic Landsat derived Normalized Difference Vegetation Index (NDVI) product for the conterminous United States. *Remote Sensing* 9:863.

2017 Newton, R.E., J.D. Tack, J.C. Carlson, M.R. Matchett, P.J. Fargey, and **D.E. Naugle**. Longest sage-grouse migratory behavior sustained by intact pathways. *Journal of Wildlife Management* 81:962-972.

2017 Cross T.B., **D. E. Naugle**, J.C. Carlson and M.K. Schwartz. Genetic recapture identifies long-distance breeding dispersal in greater sage-grouse (*Centrocercus urophasianus*). *Condor* 119:155-166.

2017 Donnelly J.P., J.D. Tack, K.E. Doherty, **D.E. Naugle**, B.W. Allred and V.J. Dreitz. Extending conifer removal and landscape protection strategies from sage-grouse to songbirds, a range-wide assessment. *Rangeland Ecology and Management* 70:95-105.

2017 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. Mapping tree canopy cover in support of proactive prairie grouse conservation in western North America. *Rangeland Ecology and Management* 70:15-24.

2017 Holmes A.L., J.D. Maestas and **D.E. Naugle**. Bird responses to removal of western juniper in sagebrush-steppe. *Rangeland Ecology and Management* 70:87-94.

2017 Lipsey M.K., **D.E. Naugle,** J. Nowak and P.M. Lukas. Extending utility of hierarchical models to multi-scale habitat selection. *Diversity and Distributions* 23:783-793.

2017 Lipsey M.K. and **D.E. Naugle**. Precipitation and soil productivity explain effects of grazing on grassland songbirds. *Rangeland Ecology and Management* 70:331-340.

2017 Miller R.F., **D.E. Naugle**, J.D. Maestas, C.A. Hagen and G. Hall. Targeted woodland and removal to recover at-risk grouse and their sagebrush-steppe and prairie ecosystems. *Rangeland Ecology and Management* 70:1-8.

2017 Reinhardt J.R., **D.E. Naugle**, J.D. Maestas, B. Allred, J. Evans, and M. Falkowski. Next-generation restoration for sage-grouse: A framework for visualizing local conifer cuts within a landscape context. *Ecosphere* 8:e01888.

2017 Severson J.P., C.A. Hagen, J.D. Maestas, **D.E. Naugle**, J.T. Forbes and K.P. Reese. Better living through conifer removal: A demographic analysis of sage-grouse vital rates. *PloS One* 12:e0174347.

2017 Severson J.P., C.A. Hagen, J.D. Maestas, **D.E. Naugle**, J.T. Forbes and K.P. Reese. Effects of conifer expansion on greater sage grouse nesting habitat selection. *Journal of Wildlife Management* 81:86-95.

2017 Severson J.P., C.A. Hagen, J.D. Maestas, **D.E. Naugle**, J.T. Forbes and K.P. Reese. Restoring sage-grouse nesting habitat through removal of early successional conifer. *Restoration Ecology* 25:1026-1034.

2017 Severson J.P., C.A. Hagen, J.D. Maestas, **D.E. Naugle**, J.T. Forbes and K.P. Reese. Short-term response of sage-grouse nesting to conifer removal in the Northern Great Basin. *Rangeland Ecology and Management* 70:50-58.

2017 Tack J.D., F.R. Quamen, K. Kelsey and **D.E. Naugle**. Doing more with less: Removing trees in a prairie systems improves value of grasslands for obligate bird species. *Journal of Environmental Management* 198:163-169.

2016 Cross T.B., **D.E. Naugle**, J.C. Carlson and M.K. Schwartz. Hierarchical population structure in greater sage-grouse provides insight into management boundary delineation. *Conservation Genetics* 17:1417-1433.

2016 Donnelly J.P., **D.E. Naugle**, C.A. Hagen, and J.D. Maestas. Public lands and private waters: Scarce mesic resources structure land tenure and sage-grouse distributions. *Ecospere* 7:e01208.

2016 Smith J.T., J.S. Evans, B.H. Martin, S. Baruch-Mordo, J.M. Kiesecker and **D.E. Naugle**. Reducing cultivation risk for at-risk species: Predicting outcomes of conservation easements for sage-grouse. *Biological Conservation* 201:10-19.

2015 Lipsey, M.K., K.E. Doherty, **D.E. Naugle**, S. Fields, J.S. Evans, S.K. Davis and N. Koper. One step ahead of the plow: Using cropland conversion risk to guide Sprague's Pipit conservation in the northern Great Plains. *Biological Conservation* 191:739-749.

2015 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. Greater sage-grouse and range management: Insights from a 25-year case study in Utah and Wyoming. *Rangeland Ecology and Management* 68:375-382.

2014 Doherty, K.E., **D.E. Naugle**, J.D. Tack, B.L. Walker, J.M. Graham and J.L. Beck. Linking conservation actions to demography: Grass height explains variation in greater sage-grouse nest survival. *Wildlife Biology* 20:320-325.

2014 Copeland, H.E., H. Sawyer, K.L. Monteith, **D.E. Naugle**, A. Pocewicz, N. Graf and M.J. Kauffman. Conserving mule deer through the umbrella of sage-grouse. *Ecosphere* 5:art117.

2013 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. Saving sage-grouse from the trees: A proactive solution to reducing a key threat to a candidate species. *Biological Conservation* 167:233-241.

2013 Copeland, H.E., A. Pocewicz, **D.E. Naugle**, T. Griffiths, D. Keinath, J.S. Evans and J. Platt. Measuring the effectiveness of conservation: A novel framework to quantify the benefits of sage-grouse conservation policy and easements in Wyoming. *PLoS One* 8:e67261.

2013 Murphy, T., **D.E. Naugle**, R. Eardley, J.D. Maestas, T. Griffiths, M. Pellant and S.J. Stiver. Trial by fire: Improving our ability to reduce wildfire impacts to sage-grouse and sagebrush ecosystems through accelerated partner collaboration. *Rangelands* 35:2-10.

2013 Stevens, B.S., **D.E. Naugle**, J.W. Connelly, T. Griffiths and K.P. Reese. Mapping sage-grouse fence-collision risk: Spatially explicit models for targeting conservation implementation. *Wildlife Society Bulletin* 37:409-415.