

# LARKIN ANDREW POWELL

## CURRICULUM VITAE

419 Hardin Hall  
School of Natural Resources  
University of Nebraska-Lincoln  
Lincoln, NE 68583-0974  
Work: (402)472-6825  
lpowell3@unl.edu

### EDUCATION

- Doctor of Philosophy, 1998, Ecology, University of Georgia, Athens, Georgia.  
Dissertation: *Experimental analysis and simulation modeling of forest management impacts on wood thrushes, Hylocichla mustelina.*
- Master of Science, 1992, Ecology and Evolutionary Biology, Iowa State University, Ames, Iowa.  
Thesis: *Derivation, distribution, and survival of mallards using the Upper Mississippi River as determined from band recovery data.*
- Bachelor of Science, 1990, Biology, Graceland University, Lamoni, Iowa.
- High School Diploma, 1986, Creston Community Schools, Creston, Iowa.

### SUMMARY OF PROFESSIONAL APPOINTMENTS

2010-present	Professor, School of Natural Resources, University of Nebraska-Lincoln
2011-present	Director, Great Plains Cooperative Ecosystems Studies Unit (0.1 FTE)
2010-'15, '16-present	Mission Area Leader, Applied Ecology Mission Area, SNR (0.1 FTE)
2012-'13	Interim Associate Director, School of Natural Resources (0.5 FTE)
2011-'12	Interim Associate Dean, Agricultural Resource Division (0.5 FTE)
2005-'10	Associate Professor, School of Natural Resources, UNL
2009	Visiting Lecturer, Dept. of Nature Conservation, Polytechnic of Namibia
2001-'05	Assistant Professor, School of Natural Resources, UNL
1998-'01	Assistant Professor, Department of Biology, University of Dubuque, Iowa
1998	Postdoctoral Research Asst., School of Forest Resources, Univ. of Georgia
1993-'97	Graduate Assistant, School of Forest Resources & Institute of Ecology, University of Georgia
1993	Instructor, Department of Animal Ecology, Iowa State University, Ames, IA
1990-'92	Graduate Assistant, Department of Animal Ecology, Iowa State University

### AWARDS

- Fellow of the College of Agricultural Sciences and Natural Resources (for contributions provided to scholarship in research for undergraduate students), UNL (*peer nominated*), 2017.
- Holling Family Senior Faculty Award for Teaching Excellence, College of Agricultural Sciences and Natural Resources, UNL (*peer nominated*), \$5000 stipend, 2017.
- The Wildlife Society: 2016 Wildlife Publications Award (with 14 co-authors, 2015 *Ecosphere* manuscript).
- UNL Parents' Association: Contributions to Students Recognition (received 5 times; most recent, 2016).
- Career Professional Award, Nebraska Chapter of The Wildlife Society, 2014.
- Fulbright Scholar: Namibia Lecture/Research Award, 2008, Council for International Exchanges of Scholars.

- Teaching Award of Merit, National Association of College Teachers of Agriculture; presented by the College of Agricultural Sciences and Natural Resources (UNL), 2008.
- Superior Academic Advising Award, College of Agricultural Sciences and Natural Resources (*student-nominated*), 2007.
- Holling Family Junior Faculty Award for Teaching Excellence, College of Agricultural Sciences and Natural Resources, UNL (*peer nominated*), \$3000 stipend, 2004.
- Faculty of the Year, University of Dubuque, 2000 (*student selected*).
- Stoddard-Burleigh-Sutton Award for Excellence in Ornithology, 1998, Institute of Ecology and School of Forest Resources, UGA, \$1000.
- Presentation Award, 1997, School of Forest Resources, UGA, \$100.
- Ding Darling Scholarship, 1992, Dept. of Animal Ecology, ISU, \$500.
- Campus Life Award, 1990, Graceland College.

## PEER-REVIEWED PUBLICATIONS

(\* indicates my student or post-doc as lead-author; ◦ indicates other students, ‡ indicates a teaching-related publication)

99. Ejigu, D., A. Bekele, and **L. A. Powell**. 2017. Walia ibex have increased in number and shifted their habitat range within Simien Mountains National Park, Ethiopia. *Journal of Mountain Ecology*, 10.
98. \*Raynor, E. J., C. E. Whalen, M. Bomberger Brown, and **L. A. Powell**. In press. Location matters: evaluating Greater Prairie-Chicken (*Tympanuchus cupido*) boom chorus propagation. *Avian Conservation and Ecology*.
97. \*Whalen, C., M. Bomberger Brown, J. McGee, **L. A. Powell**, and E. Walsh. In press. Male Greater Prairie-Chickens adjust their vocalizations in the presence of wind turbine noise. *The Condor*
96. Steffensen, K. D., **L. A. Powell**, and M. A. Pegg. 2017. Using the robust design framework and relative abundance to predict the population size of pallid sturgeon *Scaphirhynchus albus* in the lower Missouri River. *Journal of Fish Biology* doi:10.1111/jfb.13457
95. \*Harrison, J. O. M. Bomberger Brown, **L. A. Powell**, W. H. Schacht, and J. A. Smith. 2017. Nest site selection and nest survival of Greater Prairie-Chickens near a wind energy facility. *The Condor* 119(4):659-672.
94. \*Smith, J. A., M. Bomberger Brown, J. O. Harrison, and **L. A. Powell**. 2017. Predation risk: a potential mechanism for effects of a wind energy facility on Greater Prairie-Chicken survival. *Ecosphere* 8(6).
93. \*Raynor, E. J., C. E. Whalen, M. Bomberger Brown, and **L. A. Powell**. 2017. Grassland bird community and acoustic complexity appear unaffected by proximity to a wind energy facility in the Nebraska Sandhills. *The Condor* 119(3):484-496.
92. **Powell, L. A.** 2017. Urban cowboys: demographics confirm that agriculture and natural resources recruiting plans cannot be one-size-fits-all. *NACTA Journal* 61:121-126.
91. \*Whalen, C. E., M. Bomberger Brown, J. McGee, **L. A. Powell**, and E. J. Walsh. 2017. Acoustic characteristics of lekking male greater prairie-chicken (*Tympanuchus cupido pinnatus*) vocalizations. *Great Plains Research* 27:93-108.
90. **Powell, L. A.**, M. Bomberger Brown, J. A. Smith, J. Olney Harrison, and C. E. Whalen. 2017. Modeling the spatial effects of disturbance: a constructive critique to provide evidence of ecological thresholds. *Wildlife Biology* doi: 10.2981/wlb.00245.
89. \*Haugen, M. T., M. P. Vrtiska, and **L. A. Powell**. 2017. Variation in number of ducks harvested among hunters in the Central Flyway. *Journal of the Southeastern Association of Fish*

- and Wildlife Agencies 4:80–84
88. Pope, K. L., **L. A. Powell**, B. S. Harmon, M. A. Pegg, C. J. Chizinski. 2017. Estimating the number of recreational anglers for a given waterbody. *Fisheries Research* 191:69-75.
  87. **Powell, L. A.**, U. Kazahe, and R. Kharuxab. 2017. Livestock farmers engage in ecotourism as a result of beliefs and attitudes toward wildlife on communal lands in Namibia. *Human Dimensions of Wildlife*. Published on-line DOI: 10.1080/10871209.2017.1295490
  86. \*Cunningham, Z. J., **L. A. Powell**, and M. Vrtiska. 2016. Fidelity and Survival of Mallards in the Nebraska Sandhills. *Prairie Naturalist* 48:87-95.
  85. \*Dallmann, J. D., E. J. Raynor, L. C. Anderson, **L. A. Powell**, and Walter H. Schacht. 2016. iButton® Temperature Loggers Effectively Determine Prairie Grouse Nest Absences. *Great Plains Research* 26:117-123.
  84. \*Smith, J. A., C. E. Whalen, M. Bomberger Brown, and **L. A. Powell**. 2016. Indirect Effects of an Existing Wind Energy Facility on Lekking Behavior of Greater Prairie-Chickens. *Ethology* 122:419-429.
  83. \*Cunningham, Z., **L. A. Powell**, M. Vrtiska, S. Stephens, and J. Walker. 2016. Skewed age ratios of breeding mallards in the Nebraska Sandhills. *American Midland Naturalist* 175:280-285.
  82. \*Sliwinski, M. **L. A. Powell**, N. Koper, M. Giovanni, W. Schacht. 2015. Research design considerations to ensure detection of all species in an avian community. *Methods in Ecology and Evolution* 7:456–462.
  81. Steffensen, K.D., **L. A. Powell**, M. Stukel, K. R. Winders, and W. J. Doyle. 2015. Updated assessment of hatchery-reared pallid sturgeon (*Forbes & Richardson, 1905*) survival in the lower Missouri River. *Journal of Applied Ichthyology* 32:3-10.
  80. ◦ Kowalewski, L. K., C. Chizinski, **L. A. Powell**, K. L. Pope, and M. A. Pegg. 2015. Accuracy or Precision: Implications of Sample Design and Methodology on Abundance Estimation. *Ecological Modelling* 316:185-190.
  79. \*Hiller, T. L., J. S. Taylor, J. J. Lusk, **L. A. Powell**, and A. J. Tyre. 2015. Evidence that the conservation reserve program slowed population declines of pheasants on a changing landscape in Nebraska, USA. *Wildlife Society Bulletin* 39:529-535.
  78. Winder, V. L., A. J. Gregory, C. A. Hagen, D. A. Haukos, D. C. Kesler, L. C. Larsson, T. W. Matthews, L. B. McNew, M. A. Patten, J. C. Pitman, **L. A. Powell**, J. A. Smith, T. Thompson, D. H. Wolfe, B. K. Sandercock. 2015. Factors affecting female space use in ten populations of prairie chickens. *Ecosphere* 6:9, art166. [*recipient of The Wildlife Society's 2016 Wildlife Publication Award*]
  77. \*Giovanni, M. D., **Powell, L. A.**, Schacht, W. 2015. Habitat selection and survival for western meadowlark fledglings in a contiguous prairie system. *Wilson Journal of Ornithology* 127: 200-211.
  76. \*Smith, J., Matthews, T. W., Holcomb, E. D., Negus, L. P., Davis, C. A., Brown, M., **Powell, L. A.**, Taylor, J. S. 2015. Invertebrate prey selection by ring-necked pheasant (*Phasianus colchicus*) broods in Nebraska. *American Midland Naturalist* 173:318-325.
  75. ◦ Ejigu, D. A. Bekele, **L. A. Powell**, and J. -M. Lernoald. 2015. Habitat preference of the endangered Ethiopian walia ibex (*Capra walie*) in the Simien Mountains National Park, Ethiopia. *Animal Biodiversity and Conservation*. 38: 1-10.
  74. \*Anderson, L., W. Schacht, **L. A. Powell**, J. Lusk, and W. Vodehnal. 2015. Greater Prairie-Chicken Brood Site Selection and Survival in the Nebraska Sandhills. *Journal of Wildlife Management* 79:559-569.
  73. Pegg, M. A., K. L. Pope, **L. A. Powell**, K. C. Turek, J. J. Spurgeon, N. T. Stewart, N. P. Hogberg,

- and M. T. Porath. 2015. Lake and reservoir rehabilitations: seeking the fountain of youth. *Fisheries* 40:177-181.
72. **Powell, L. A.** 2015. Periodic corrections to agricultural land values provide opportunity for conservation. *Journal of Soil and Water Conservation* 70: 39A-44A.
71. **Powell, L. A.** 2015. Hitler's effect on wildlife in Nebraska: World War II and farmed landscapes. *Great Plains Quarterly* 35:1-26.
70. \*Haugen, M., M. Vrtiska, and **L. A. Powell.** 2015. Duck species co-occurrence in hunter daily bags. *Wildlife Society Bulletin* 39:70–78.
69. \*Haugen, M., M. Vrtiska, and **L. A. Powell.** 2015. The Effects of Harvest Regulations on Behaviors of Duck Hunters. *Human Dimensions of Wildlife* 20:15-29.
68. **Powell, L. A.,** W. H. Schacht, L. C. Anderson, W. L. Vodehnal. 2014. Management of Sandhills Rangelands for Greater Prairie-chickens. University of Nebraska Extension Circular: EC305. 20pp.
67. \*Haugen, M., **L. A. Powell,** and M. Vrtiska. 2014. Assessment of Spatial Changes in the Duck Harvest within the Central Flyway, 1997-2011. *Wildfowl* 64:75-90.
66. Joubert, D. F., **L. A. Powell,** and W. Schacht. 2015. Visual obstruction as a method to quantify herbaceous biomass in southern African semi-arid savannas. *African Journal of Range & Forage Science* 32: 225-230. (pre-print published on-line 2014)
65. ◦ Jorgensen, C. F., **L. A. Powell,** J. J. Lusk, A. A. Bishop, and J. J. Fontaine. 2014. Assessing landscape constraints on species abundance: Does the neighborhood limit species response to local habitat conservation programs. *PLoS ONE* 9(6): e99339.
64. \*Theron, L., S. vdM Louw, and **L. A. Powell.** 2013. Temporal and spatial composition of arboreal insects along the Omaruru River. *Roan News* (May 2013): 18-21.
63. \*Matthews, T., R. Tyre, J. S. Taylor, J. Lusk, and **L. A. Powell.** 2013. Greater prairie-chicken nest success and habitat selection in southeastern Nebraska. *Journal of Wildlife Management* 77:1202-1212.
62. ◦ Jorgensen, C. F., R. J. Stutzman, L. C. Anderson, S. E. Decker, **L. A. Powell,** W. H. Schacht, and J. J. Fontaine. 2013. Choosing a DIVA: a comparison of emerging digital imagery vegetation analysis techniques. *Applied Vegetation Science* 16: 552–560.
61. **Powell, L. A.** 2012. Common-interest community agreements on private lands provide opportunity and scale for wildlife management. *Animal Biodiversity and Conservation* 35: 295-306.
60. ◦ Pracheil, B., M. Pegg, **L. A. Powell,** and G. Mestl. 2012. Swimways: Protecting Paddlefish Through Movement-Centered Management. *Fisheries* 37:449-457.
59. ◦ Groepper, S.R., M.P. Vrtiska, **L.A. Powell,** and S.E. Hygnstrom. 2012. Evaluation of the effects of September hunting seasons on resident Canada geese in Nebraska. *Wildlife Society Bulletin* 36:524–530.
58. \*Henaus, V., **L. A. Powell,** M. Vrtiska, and K. Hobson. 2012. Establishing Winter Origins of Migrating Lesser Snow Geese Using Stable Isotopes. *Avian Conservation and Ecology* 7(1):5 [http://dx.doi.org/10.5751/ACE-00515-070105].
57. \*Matthews, T. W., J. S. Taylor, and **L. A. Powell.** 2012. Mid-contract management of CRP grasslands provides benefits for ring-necked pheasant nest and brood survival. *Journal of Wildlife Management* 76: 1643-1652.
56. \*Matthews, T. W., J. S. Taylor, and **L. A. Powell.** 2012. Ring-necked pheasant hens select managed CRP grasslands for nesting and brood-rearing. *Journal of Wildlife Management*

- 76: 1653- 1660.
55. \*Barcelo, I., J. C. Guzman-Aranda, F. Chavez-Ramirez, and **L. A. Powell**. 2012. Rural inhabitant perceptions of sandhill cranes in wintering areas of northern Mexico. *Human Dimensions of Wildlife* 17:301-307.
  54. Steffensen, K.D., **L. A. Powell**, and M. Pegg. 2012. Population size of hatchery-reared and wild pallid sturgeon in the lower Missouri River. *North American Journal of Fisheries Management* 32:159-166.
  53. **Powell, L. A.**, M. D. Giovanni, S. Groepper, M. L. Reineke, and W. H. Schacht. 2012. Attendance patterns and survival of Western Meadowlark nests under video observation in the Nebraska Sandhills. *Studies in Avian Biology* 43:61-66.
  52. ◦ Gregory, C. J., S. J. Dinsmore, **L. A. Powell**, and J. G. Jorgensen. 2012. Estimating the abundance of long-billed curlews in Nebraska. *Journal of Field Ornithology* 83:111-129.
  51. ◦ Martin, D. R., **L. A. Powell**, and K. L. Pope. 2012. Habitat Selection by Adult Walleye during Spawning Season in Irrigation Reservoirs: A Patch Occupancy Modeling Approach. *Environmental Biology of Fishes* 93:589-598.
  50. ◦ Gregory, C. J., S. J. Dinsmore, **L. A. Powell**, and J. G. Jorgensen. 2011. Nest survival of the Long-billed Curlew in Nebraska. *Wader Study Group Bulletin* 118:109-113.
  49. **Powell, L. A.**, J. S. Taylor, J. J. Lusk, and T. W. Matthews. 2011. Using adaptive harvest management to gain information about harvest mortality of Greater Prairie-Chickens in southeast Nebraska. *Studies in Avian Biology* 39: 329-340.
  48. \*Matthews, T. W., A. J. Tyre, J. S. Taylor, J. J. Lusk, and **L. A. Powell**. 2011. Effects of spatial and temporal variables on Greater Prairie-Chicken brood habitat selection and survival. *Studies in Avian Biology* 39: 179-194.
  47. \*Schole, A. C., T. W. Matthews, **L. A. Powell**, J. J. Lusk, and J. S. Taylor. 2011. Survival of Greater Prairie-Chicken chicks in southeast Nebraska. *Studies in Avian Biology* 39: 247-254.
  46. ‡ **Powell, L. A.**, A. J. Tyre, M. J. Conroy, J. T. Peterson, and B. K. Williams. 2011. Turning students into problem solvers: Integrating adaptive management into wildlife curricula. *The Wildlife Professional* 5(2): 74-76.
  45. \*Rehme, S. E., **L. A. Powell**, and C. R. Allen. 2011. Multimodel inference and adaptive management. *Journal of Environmental Management* 92:1360-1364.
  44. \*Hénaux, V., **L. A. Powell**, K. A. Hobson, C. K. Nielsen, and M. A. LaRue. 2011. Tracking large carnivore dispersal using isotopic clues in claws: an application to cougars across the Great Plains. *Methods in Ecology and Evolution* 2:489-499.
  43. Vrtiska, M. P., and **L. A. Powell**. 2011. Estimates of Duck Breeding Populations in the Nebraska Sandhills using Double Observer Methodology. *Waterbirds* 34:96-101.
  42. \*Giovanni, M. D., M. Post Van Der Burg, L. C. Anderson, **L. A. Powell**, W. H. Schacht, and A. J. Tyre. 2011. Estimating nest density when nest detectability is incomplete: variation in nest attendance and response to disturbance by adult Western Meadowlarks. *Condor* 113:223-232.
  41. \*Frost, J. S., and **L. A. Powell**. 2011. Cedar infestation impacts avian communities along the Niobrara River Valley, Nebraska. *Restoration Ecology* 19(4):529-536.
  40. Steffensen, K., **L. A. Powell**, and J. Koch. 2010. Assessment of Hatchery-Reared Pallid Sturgeon Survival in the Lower Missouri River. *North American Journal of Fisheries Management* 30:671-678.
  39. \*Post van der Burg, M., **L. A. Powell**, and A. J. Tyre. 2010. Finding the smoothest path to

success: model complexity and the consideration of non-linear patterns in nest survival data. *Condor* 112:421-431.

38. † **Powell, L. A.**, S. Riley, A. Tyre, and S. Hygnstrom. 2009. The value of early experience: students know they need it, but how do they get it? *The Wildlife Professional* 3(4):45-47.
37. † **Powell, L. A.**, A. J. Tyre, S. E. Hygnstrom, D. A. Wedin, P. R. Hanson, M. S. Kuzila, and J. B. Swinehart. 2009. Wilderness serendipity: planning and assessing learning during an experiential field course. *NACTA Journal* 53(3): 56-61.
36. ◦ Martin, D., K. L. Pope, and **L. A. Powell**. 2009. Spring Home Ranges of White Bass in Irrigation Reservoirs of the Republican River Basin, Nebraska. *Ecology of Freshwater Fish* 18:514-519.
35. Walker, J. A., Z. J. Cunningham, M. P. Vrtiska, S. E. Stephens and **L. A. Powell**. 2008. Low reproductive success of mallards in the Sandhills of Nebraska. *Prairie Naturalist* 40:1-15. (*Note: published 2009*)
34. \*Hiller, T. L., **L. A. Powell**, T. D. McCoy, and J. J. Lusk. 2009. Long-term agricultural land-use trends in Nebraska, 1866-2007. *Great Plains Research* 19:225-237.
33. \*Fricke, K. A., S. L. F. Kempema, and **L. A. Powell**. 2009. Small mammal ecology on private rangelands in Nebraska. *Great Plains Research* 19:65-72.
32. \*Post van der Burg, M., **L. A. Powell**, and A. J. Tyre. 2009. Modeling parasitism rate and parasitism risk: an illustration using a colonially nesting songbird, the red-winged blackbird *Agelaius phoeniceus*. *Journal of Avian Biology* 40:263-270.
31. † **Powell, L. A.** 2009. The role of learning styles in student evaluations of a problem-based learning course. *Transformative Dialogues* 2(3):1-15.
30. † **Powell, L. A.** 2009. Using reflection documents to assess student learning. *Journal of Natural Resources and Life Science Education* 38:33-39.
29. \*Kocer, C. J., and **L. A. Powell**. 2009. A field system for isoflurane anesthesia of multiple species of mesopredators. *American Midland Naturalist* 161(2):406-412.
28. **Powell, L. A.** 2008. An ecologist struggles with the problem of evil: why Aldo Leopold and baby meadowlarks argue against an all-powerful God. *Theology* 16: 96-108.
27. Plummer, M. V., D. G. Kremetz, **L. A. Powell**, and N. E. Mills. 2008. Effects of habitat disturbance on survival rates of softshell turtles (*Apalone spinifera*) in an urban stream. *Journal of Herpetology* 42:555-563.
26. Varland, D. E., **L. A. Powell**, M. K. Kenney, and T. L. Fleming. 2008. Monitoring peregrine falcon use of coastal beaches in Washington, 1995-2003. *Journal of Raptor Research* 42:161-170.
25. ◦ Groepper, S. R., P. J. Gabig, M. P. Vrtiska, J. M. Gilsdorf, S. E. Hygnstrom, and **L. A. Powell**. 2008. Population and spatial dynamics of resident Canada geese in southeastern Nebraska. *Human-wildlife Conflicts* 2:270-276.
24. **Powell, L. A.** 2007. Approximating variance of demographic parameters using the delta method: a reference for avian biologists. *Condor* 109:950-955.
23. † Fritz, S., D. Husmann, D. Reese, R. Stowell, and **L. Powell**. 2007. High school students' perceptions of a College of Agricultural Sciences and Natural Resources. *NACTA Journal* 51:44-49.
22. **Powell, L. A.**, and K. A. Hobson. 2006. Enriched feather hydrogen isotope values for Wood Thrushes sampled in Georgia, USA, during the breeding season: implications for

- quantifying dispersal. *Canadian Journal of Zoology* 84: 1331-1338.
21. **Powell, L. A.**, and M. L. Knutson. 2006. A productivity model for parasitized, multi-brooded songbirds. *Condor* 108: 292-300.
  20. Knutson, M. L., **L. A. Powell**, R. K. Hines, M. Hammer-Friberg, and G. J. Niemi. 2006. An assessment of bird habitat quality using population growth rates. *Condor* 108: 301-314.
  19. **Powell, L. A.**, J. D. Lang, D. G. Kremetz, and M. J. Conroy. 2005. Use of radio-telemetry to reduce bias in nest searching. *Journal of Field Ornithology* 76: 274-278.
  18. **Powell, L. A.** 2004. A multi-state capture-recapture model using stable isotope data to enhance estimation of movement rates. *Condor* 106:761-767.
  17. **Powell, L. A.**, M. J. Conroy, G. D. Balkcom, and J. N. Caudell. 2004. Urban Canada geese in Georgia: assessing a golf course survey and a nuisance relocation program. Pages 135-139 *in*: Moser, T. J., R. D. Lien, K. C. VerCauteren, K. F. Abraham, D. E. Andersen, J. G. Bruggink, J. M. Coluccy, D. A. Graber, J. O. Leafloor, D. R. Luukkonen and R. E. Trost (eds.). *Proceedings of the 2003 International Canada Goose Symposium*, Madison, Wisconsin, USA.
  16. **Powell, L. A.**, M. P. Vrtiska, and N. Lyman. 2004. Survival and recovery distributions of Canada geese banded in Nebraska. Pages 60-65 *in*: Moser, T. J., R. D. Lien, K. C. VerCauteren, K. F. Abraham, D. E. Andersen, J. G. Bruggink, J. M. Coluccy, D. A. Graber, J. O. Leafloor, D. R. Luukkonen and R. E. Trost (eds.). *Proceedings of the 2003 International Canada Goose Symposium*, Madison, Wisconsin, USA. *Proceedings of the 2003 International Canada Goose Symposium*.
  15. **Powell, L. A.**, L. J. Scott, and J. T. Hass. 2003. Nesting success and juvenile survival for wood thrushes in an eastern Iowa forest fragment. *Iowa Bird Life* 73: 120-127.
  14. Lang, J. D., **L. A. Powell**, D. G. Kremetz, and M. J. Conroy. 2002. Wood thrush movements, habitat use, and effects of forest management for red-cockaded woodpeckers. *Auk* 119: 109-124.
  13. **Powell, L. A.**, D. J. Calvert, I. M. Barry, and L. Washburn. 2002. Dispersal and survival of juvenile peregrine falcons during a restoration project. *Journal of Raptor Research* 36:176-182.
  12. Beck, C. W., and **L. A. Powell**. 2000. Evolution of female mate choice based on male age: are older males better mates? *Evolutionary Ecology Research* 2:107-118.
  11. Kremetz, D. G., and **L. A. Powell**. 2000. Breeding season demography and movements of Eastern Towhees at the Savannah River Site, South Carolina. *Wilson Bulletin* 112:243-248.
  10. **Powell, L. A.**, M. J. Conroy, J. E. Hines, J. D. Nichols, and D. G. Kremetz. 2000. Simultaneous use of mark-recapture and radio telemetry to estimate survival, movement, and capture rates. *Journal of Wildlife Management* 64:302-313.
  9. **Powell, L. A.**, and L. L. Frasch. 2000. Can nest predation and predator type explain some variation in avian breeding season dispersal distances? *Behavioral Ecology* 11:437-443.
  8. **Powell, L. A.**, J. D. Lang, M. J. Conroy, and D. G. Kremetz. 2000. Effects of forest management on density, survival, and population growth of wood thrushes. *Journal of Wildlife Management* 64:11-23.
  7. **Powell, L. A.** and K. L. Rangen. 2000. Variation in Wood Thrush nest dimensions and

- construction. North American Bird Bander 25:89-96.
6. \*Lawent, J. L., and **L. A. Powell**. 2000. Effect of burning on prairie grassland bird communities at Mines of Spain Recreation Area, Dubuque, Iowa. Iowa Bird Life 70: 6-15.
  5. **Powell, L. A.**, M. J. Conroy, D. G. Kremetz, and J. D. Lang. 1999. A model to predict breeding-season productivity for multibrooded songbirds. The Auk 116: 1001-1008.
  4. **Powell, L. A.**, W. R. Clark, and E. E. Klaas. 1998. Distribution and derivation of mallard band recoveries on the Upper Mississippi River, 1961-89. North American Bird Bander 23:1-12.
  3. **Powell, L. A.**, D. G. Kremetz, J. D. Lang, and M. J. Conroy. 1998. Effects of radio transmitters on migrating wood thrushes. Journal of Field Ornithology 69:306-315.
  2. **Powell, L. A.**, K. L. Rangen, and J. D. Lang. 1996. Wood Thrush nestlings fed fruit by single parent. Oriole 61:1-2.
  1. **Powell, L. A.**, W. R. Clark, and E. E. Klaas. 1995. Using post-release stratification to detect heterogeneity in survival of mallards. Journal of Wildlife Management 59:683-690.

#### **REFEREED PROCEEDINGS OR OUTREACH PUBLICATIONS**

- Sliwinski, M., M. Mark, L. A. Powell, and W. Schacht. 2017. Managing for Wildlife Habitat on Rangelands in the Great Plains. Lincoln, NE: University of Nebraska-Lincoln. Open File Report 162: 6pp.
- Powell, L., W. Schacht, and L. Anderson. 2014. Management of Sandhills rangelands for greater prairie-chickens. Pages 58-66, Proceedings of the 2014 Nebraska Grazing Conference, Kearney, 12-13 August 2014.
- Anderson, L., W. Schacht, L. Powell, J. Lusk, and B. Vodehnal. 2011. Vegetation Structure and Composition at Greater Prairie-Chicken Nest and Brood Sites: Drivers for Success? Proceedings of the 2011 Nebraska Grazing Conference, Kearney, 9-10 August 2011.
- Schacht, W., and L. Powell. 2010. Managing grazinglands for upland game birds. Proceedings of the 2010 Nebraska Grazing Conference, Kearney, August 2010.

#### **BOOKS AND BOOK CHAPTERS**

- Powell, L., R. Kharuxab, L. Marker, M. Nghikembua, S. Omusula, R. Reid, A. Snyman, C. Weaver, and M. Wykstra. *In press*. Coordination of large landscapes for cheetah conservation. Pages X-X, *In The Biology and Conservation of Cheetahs* (L. Marker, L. Boast, and A. Schmidt-Küntzel, eds.). Academic Press.
- Powell, L. A., and G. A. Gale. 2015. Parameter estimation for animal populations: a primer for the rest of us. Caught Napping Publications, Lincoln, NE. ISBN: 978-1-329-06151-4 (19 chapters, also available for download on-line).
- Powell, L. A. 2011. Characteristics of freehold conservancies in Namibia. Pages 45-52 in D. Shaw and L. Marker, eds. The Conservancy Association of Namibia: an overview of freehold conservancies. CANAM: Windhoek, Namibia. ISBN: 978-99945-71-96-3
- Powell, L. A. 2010. Farming with wildlife: conservation and ecotourism on private lands in Namibia. Lincoln, Nebraska: Lulu Publishing. 50pp. ISBN: 978-0-557-64898-6

#### **BOOK REVIEWS**

- Powell, L. A. 2017. *Ecology and Conservation of Lesser Prairie-Chickens*, edited by Haukos and Boal. Condor 119:631-632.



Powell, T. R., and L. A. Powell. 2013. *Owls by M. Taylor*. Wilson Journal of Ornithology 125: 854-855.

### RESEARCH FEATURED OR REVIEWED IN

- Whalen, C., M. Bomberger Brown, J. McGee, L. A. Powell, J. A. Smith, and E. J. Walsh. 2014. What does a Greater Prairie-Chicken sound like? It's not your typical cock-a-doodle-doo!. Acoustical Society of America: 168<sup>th</sup> Meeting. <http://acoustics.org/what-does-a-greater-prairie-chicken-sound-like-its-not-your-typical-cock-a-doodle-doo-cara-whalen/>
- Joubert, D. F., L. A. Powell, and W. H. Schacht. Summary of scientific article: "Visual obstruction as a method to quantify herbaceous biomass in southern African semi-arid savannas". Grassroots 14(3):52.
- Marris, E. 2008. Cougar's movement betrayed by claw analysis: stable isotope analysis helps retrace animal's steps. Nature, 9 August 2008. <http://www.nature.com/news/2008/080809/full/news.2008.1021.html> (Henaux et al. 2008).
- Brooks, R., and D. J. Kemp. 2001. Can older males deliver the goods? Trends in Ecology and Evolution 16:308-313 (Beck and Powell 2000).
- Gee, H. 2000. Evolution: Sugar Daddy simulations. Nature, 16 February 2000. (*Science Update*). <http://imagine.nature.com/nsu/000217/000217-7.html> (Beck and Powell 2000).

### CURRICULAR PUBLICATIONS

- Powell, L. A. 2009. Implementing problem-based learning: *A real-life example of an in-class problem case: how to work through an exercise on the first day*. URL: [http://snr.unl.edu/powell/teaching/pbl/pbl\\_web/index.htm](http://snr.unl.edu/powell/teaching/pbl/pbl_web/index.htm)
- Powell, L. A. 2009. Resource Management IV Study Guide. Polytechnic of Namibia: Department of Nature Conservation. Windhoek, Namibia. 60pp.

### CREATIVE ACTIVITIES

- Poetry book: Powell, L. A. 2014. *Cursed with wings: and other frustrations*. Lincoln, Nebraska: Caught Napping Publications. 80pp. ISBN: 978-1-312-45118-6
- Blog: *A Land Ethic: life on the Great Plains. Ideas, perspectives, and observations from a wildlife ecologist*. 96 posts during 2010-present. <<http://alandethic.blogspot.com/>>
- Photography and poetry exhibit: *Beneath the Sand: a photojourney of our year in Namibia*. Larkin, Kelly, and Tristan Powell. 72 large-format photos with interpretation and poetry. Presented in 4 galleries in Nebraska and Iowa during 2010-2011.
- Poetry book: Powell, L. A., K. D. Powell, and T. R. Powell. 2010. *Dust and mud: perspectives from Namibia*. Lincoln, Nebraska: Lulu Publishing. 42pp. ISBN: 978-0-557-66873-1
- Blog: *Nebraska to Namibia: from Sandhills to sand dunes*. 146 posts during 2009, describing family and professional sabbatical to Namibia. <<http://namibiafulbright.blogspot.com/>>

### GRADUATE THESES AND DISSERTATIONS AS ADVISOR OR CO-ADVISOR

19. Sliwinski, M. 2017. Heterogeneity of avian breeding habitat on grazing lands of the Northern Great Plains. PhD Dissertation, University of Nebraska-Lincoln, Lincoln, NE. (co-advisor: Dr. Walter Schacht).
18. Snyman, A. 2016. Assessment of resource use and landscape risk for African lions (*Panthera leo*) in eastern Botswana. PhD Dissertation, University of Nebraska-Lincoln, Lincoln, NE. (co-advisor: Dr. John Carroll).

17. McCollum, K.R. 2015. Occupancy analysis and density estimation of Kori Bustards (*Ardeotis kori*) and Helmeted Guineafowl (*Numida meleagris*) for use in landscape conservation planning in the Northern Tuli Game Reserve, Botswana. MS Thesis, University of Nebraska-Lincoln, Lincoln, NE. (co-advisor: Dr. John Carroll).
16. Whalen, C. 2015. Effects of wind turbine noise on male greater prairie-chicken vocalizations and chorus. MS Thesis, University of Nebraska-Lincoln, Lincoln, NE. (co-advisor: Dr. Mary Bomberger Brown).
15. Harrison, J. O. 2015. Assessment of disturbance effects of an existing wind energy facility on greater prairie-chicken (*Tympanuchus cupido pinnatus*) breeding season ecology in the Sandhills of Nebraska. MS Thesis, University of Nebraska-Lincoln, Lincoln, NE. (co-advisor: Dr. Mary Bomberger Brown).
14. Haugen, M. T. 2013. The influence of regulations on duck hunters and harvest. MS Thesis, University of Nebraska-Lincoln, Lincoln, NE. (co-advisor: Dr. Mark Vrtiska).
13. Barcelo, I. 2013. Winter ecology of sandhill cranes (*Grus canadensis*) in northern Mexico. PhD Dissertation, University of Nebraska-Lincoln, Lincoln, NE (co-advisor: Felipe Chavez-Ramirez).
12. Anderson, L. C. 2012. Nest and Brood Site Selection and Survival of Greater Prairie-Chickens in the Eastern Sandhills of Nebraska. MS Thesis, University of Nebraska-Lincoln, Lincoln, NE. (co-advisor: Dr. Walter Schacht).
11. Corral, L. 2012. Swift fox survey assessment and estimation of detection probability. MS Non-Thesis Project, University of Nebraska-Lincoln, Lincoln, NE.
10. Cunningham, Z. J. 2011. Breeding fidelity and landscape effects on distribution of mallards and duck broods in the Nebraska Sandhills. MS Thesis, University of Nebraska-Lincoln, Lincoln, NE. (co-advisor: Dr. Mark Vrtiska).
9. Theron, L. 2011. Temporal and spatial composition of arboreal insects along the Omaruru River, Namibia. MS Thesis, University of the Free State, Bloemfontein, South Africa.
8. Rehme, S. E. 2010. Ecology, stable isotopes, and management of grassland songbirds at National Park Service properties on the Great Plains. MS Thesis, University of Nebraska-Lincoln, Lincoln, NE (co-advisor: Craig Allen).
7. Giovanni, M. D. 2009. Demographics and habitat selection for the western meadowlark (*Sturnella neglecta*) in the Nebraska Sandhills. PhD Dissertation, University of Nebraska-Lincoln, Lincoln, NE (co-advisor: Walter Schacht).
6. Matthews, T. 2009. Productivity and habitat selection of ring-necked pheasants and greater prairie-chickens in Nebraska. PhD Dissertation, University of Nebraska-Lincoln, Lincoln, NE (co-advisor: Drew Tyre).
5. Leavelle, K. M. 2008. Occupancy and associated habitat characteristics, fruit preferences, and nesting behaviors of the Blue-headed Quail-dove (*Stanoenas cyanocephala*) of Cuba. MS Thesis, University of Nebraska-Lincoln, Lincoln, NE (Primary advisor: Felipe Chavez-Ramirez).
4. Frost, J. S. 2007. Small mammal and bird community composition in response to forest habitat structure and composition in the Niobrara River Valley, Nebraska. MS Thesis, University of Nebraska-Lincoln, Lincoln, NE.
3. Kempema, S. L. F. 2007. The influence of grazing systems on grassland bird density, productivity, and species richness on private rangeland in the Nebraska Sandhills. MS Thesis, University of Nebraska-Lincoln, Lincoln, NE.
2. Post van der Burg, M. 2005. Factors affecting songbird nest survival and brood parasitism in the Rainwater Basin region of Nebraska. MS Thesis, University of Nebraska-Lincoln.
1. Kocer, C. 2004. Mesopredator movement, abundance, and habitat selection in the Rainwater Basins of Nebraska. MS Thesis, University of Nebraska-Lincoln.

## RESEARCH GRANTS

**\$6,245,454 (to date)**

- Multistate Hatch USDA, 2017, \$255,656. *NC1189: Assessing the social-ecological dynamics that contribute to ecosystem health and watershed resource management in Nebraska* (collaborator with C. Chizinski, J. Poletto, E. VanWormer, and M. Pegg).
- National Park Service, 2015, \$17,400. *CESU Great Plains Administrative Host Support*.
- Nebraska Game and Parks Commission, 2016, \$113,380. *Waterfowl Spatial Harvest Assessment*.
- Nebraska Game and Parks Commission, 2015, \$170,232. *Prairie Grouse and Grazing Lands in Nebraska*.
- Nebraska Game and Parks Commission, 2013, \$88,300. *Wind Energy and Prairie Grouse in Nebraska*. (co-PIs: Jennifer Smith and Mary Bomberger Brown).
- Nebraska Game and Parks Commission, 2013, \$174,289. *Landscape heterogeneity on grazing lands in Nebraska*. (co-PI: W. Schacht).
- Nebraska Game and Parks Commission, 2013, \$147,349. *Canid distribution and the potential impacts of energy development in Nebraska* (collaborator with J. Fontaine, lead PI).
- Nebraska Game and Parks Commission, 2012, \$598,000. *Persistent effects of wind energy development on prairie grouse*. (co-PI with J. Fontaine and M. Bomberger Brown; Collaborators: W. Schacht, L. Wolfenbarger, J. McCarty, E. Walsh, and C. Jeziersky).
- Nebraska Game and Parks Commission, 2011, \$91,119. *Waterfowl harvest information study*.
- Nebraska Game and Parks Commission, 2010, \$243,844. *Assessing landscape constraints on habitat management of upland birds*. (co-PI with J. Fontaine and T. Hiller).
- Nebraska Game and Parks Commission, 2010, \$139,650. *Improving breeding habitat for Greater-Prairie Chickens on grazed land in the Nebraska Sandhills* (co-PI: W. Schacht).
- National Science Foundation (IGERT), 2009, \$3,100,000. *Resilience and adaptive governance in stressed watersheds*. Collaborator with: S. Fritz (co-PI), L. Gunderson, A. Samal (co-PI), A. Tomkins (co-PI), J. Sendzimir, S. Goddard, S. Michaels, B. Tenhumberg, J. A. Williams, Jr., K. B. Williams, S. Zellmer, V. Zlotnik, K. Hoagland, E. Istanbuluoglu, G. Lynne, S. Thomas, D. Wedin, A. Tyre (Co-PI), and C. Allen (PI).
- UNL Research Council, 2009, \$6,300. *Human dimensions of grassland management decisions made by Namibian landowners*.
- Grassland Foundation/World Wildlife Fund, 2009, \$6,500. *A study of issues faced by private landowners in Namibia and the Great Plains: critical decisions made to support grasslands*.
- Fulbright Program, 2008, \$74,265. *Bush encroachment in Namibia: integrating Nature Conservation students in a survey to assess cultural biases of landowners faced with bush management decisions*.
- Nebraska Emergency Management Agency, 2008, \$29,967. *Risk assessment of Nebraska's communication towers*.
- Nebraska Game and Parks Commission, 2008, \$62,545. *Status and reproductive ecology of the Long-billed Curlew in Nebraska* (co-PI with S. Dinsmore and J. Jorgensen).
- Sampson Range and Pasture Management Endowment, 2007, \$20,000. *Using high-resolution, hyperspectral images to characterize vegetation cover on Sandhills prairie* (co-PI with W. Schacht and D. Rundquist).
- NPS/USGS, 2007, \$212,121. *Assessing local and regional variability in productivity and fidelity of grassland birds on NPS units in the Great Plains* (co-PI with C. Allen and K. Hobson).
- USDA-NRCS, 2007, \$70,935. *Use of state wildlife surveys to assess benefits of Farm Bill*

- Program* (co-PI with R. Tyre).
- Nebraska Game and Parks Commission, 2007, \$68,084. *Greater prairie-chicken habitat selection* (co-PI with R. Tyre).
  - Nebraska Game and Parks Commission, 2007, \$71,420. *Productivity and biology of ducks nesting in the Sandhills of Nebraska*.
  - University of Nebraska Research Council, 2007, \$10,000. Using stable isotope analyses of tissues to identify origins of diseased migratory waterfowl (co-PI with A. Tyre, V. Hénau, and D. Snow).
  - Burlington Northern Endowment, 2006, \$8,660. *Effects of wetland habitat distribution on avian community structure and reproductive success in the Nebraska Sandhills* (co-PI with W. Schacht).
  - Platte River Whooping Crane Maintenance Trust, 2006, \$100,000. *Sandhill crane roosting habitat assessment in the Platte River valley* (co-PI with F. Chavez-Rameriz).
  - Platte River Whooping Crane Maintenance Trust, 2005, \$50,000. *Conservation status of the blue-headed quail-dove in Cuba* (transfer of funds to UNL from F. Chavez-Rameriz).
  - Nebraska Game and Parks Commission, 2004, \$53,250. *Effects of grassland management on ring-necked pheasant habitat selection and productivity*.
  - Sandhills Task Force, 2004, \$20,000. *Duck recruitment in the Nebraska Sandhills*. (Written with S. Stephens, M. Vrtiska, R. Heiniger, Co-PI's).
  - Great Plains CESU (NPS), 2004, \$77,110. *Effects of red cedar removal on bird and small mammal populations in upland habitats of the Niobrara Valley*.
  - Nebraska Game and Parks Commission, 2004, \$24,053. *Monitoring small mammal and songbird communities in the Niobrara Valley*.
  - UNL Ag Research Division--Special Hatch Funds, 2004. \$12,654. *Drought effects on bird dispersal and disease transmission in Nebraska wetlands*.
  - Great Plains CESU (NPS), 2003, \$35,000. *Effects of red cedar removal on bird populations in upland habitats of the Niobrara Valley*.
  - Nebraska Game and Parks Commission, 2003, \$5,000. *Rainwater basin wetlands: mammalian predators of songbird nests*.
  - Sampson Range and Pasture Management Endowment, 2003, \$15,000. *Quantifying effects of grazing in sandhills pastures on bird communities through a multi-scale approach to vegetation measurements* (Written with Walter Schacht, Agronomy and Horticulture Department, UNL).
  - Louisiana Department of Wildlife and Fisheries, 2003, \$89,100. *Use of managed and mature hardwood stands by wood thrushes in the Atchafalaya Basin, Louisiana* (Written with David Krementz, University of Arkansas as PI).
  - UNL Research Council (John C. and Nettie V. David Memorial Trust Fund), 2002, \$6,891. *Wildlife ecology and analytical chemistry: establishing fidelity of wood thrushes to a Georgia breeding site through evaluation of stable isotopes in tail feathers*.
  - USDA Sustainable Agriculture Research and Education Graduate Student Award, North Central Region, 2002. \$10,000. *Comparing sustainability of grazing in the Nebraska sandhills: which regime is best for cattle and wildlife?* (Written with Matt Proett, M.S. R.A.).
  - Layman Fund, University of Nebraska, 2002. \$10,000. *Breeding bird and mammalian predator populations in Rainwater Basin wetlands: can landscape factors predict abundance, productivity, and movement dynamics?*
  - Nebraska Game and Parks Commission, 2002, \$18,000. *Comparing sustainability of grazing in Nebraska's Sandhills: which regime is best for wildlife?*
  - UNL Research Council, 2001, \$9,800. *Breeding bird and mammalian predator populations in Rainwater Basin wetlands: can landscape factors predict abundance, productivity, and*

*movement dynamics?*

- Sandhills Task Force, 2001, \$45,000, *Comparing sustainability of grazing in Nebraska's Sandhills: which regime is best for wildlife?*
- Sampson Range and Pasture Management Endowment, 2001, \$10,000, *Comparing sustainability of grazing in Nebraska's Sandhills: which regime is best for wildlife?* (written by Dr. Ron Johnson)
- US Fish and Wildlife Service, 2001, \$9,700, *Effects of forest fragmentation on natal dispersal of wood thrushes and red-bellied woodpeckers*
- United States Geological Survey, 2000, \$4,000, *Songbird population modeling*.
- US Fish and Wildlife Service, 2000, \$5,000, *Aerial telemetry relocation of dispersing peregrine falcon juveniles*
- Iowa College Foundation, 1999, \$2,465, *Faculty Research Grant: Aerial telemetry relocation of dispersing peregrine falcon juveniles*.
- Dubuque Racing Association, 1999, \$13,000, *Ornithological field/laboratory equipment* (written with Dr. Richard Cowart).
- Iowa Department of Natural Resources, 1999, \$3,147, *Small mammal and herpetological survey of White Pine Hollow State Preserve*.
- United States Geological Survey, 1999, \$4,000, *Songbird population modeling*.
- National Fish and Wildlife Foundation, 1995, \$54,000 (wood thrush graduate research, written with Dr. Michael Conroy, Dr. David Krementz, and Jason Lang).
- Georgia Ornithological Society Graduate Student Research Grant, 1995, \$750 (wood thrush graduate research).

#### **TEACHING GRANTS RECEIVED**

**\$879,969 (to date)**

- Mamo, M., J. A. Ippolito, T. A. Kettler, and D. L. McCallister (PI's). 2005. Broadening soil science education through on-line lessons. \$74,869. National Science Foundation: Educational Materials Development. Role: grant collaborator, module development).
- Powell, L. A., Merchant, J., Walter-Shea, E., Johnson, R., and Zanner, W. 2002. Integrating Geospatial Information Technologies into Natural Resources Curricula. \$5,100. UNL Teaching, Learning, and Technology Roundtable. Role: team leader.
- University of Dubuque. 2001. Renovation of Goldthorp Science Hall. \$800,000. U.S. Department of Education, Office of Postsecondary Education, Fund for the Improvement of Postsecondary Education. Role: chair of grant committee, developed in association with Cassidy and Associates.

#### **UNDERGRADUATE RESEARCH GRANTS**

**\$42,670 (to date)**

- Dolph, E. \$2,400. *Assessment of Painted Turtle Size and Age from Long-term Pond Study*, UNL's Undergraduate Creative Activities and Research Experience program (Honors Student Thesis), 2016.
- Zuerlein, C. \$3,500. *Population Structure Analysis of Painted Turtles*. SNR's Cabela's Apprenticeship Program (Honors Student Thesis), 2016.
- Ronspies, B., \$2,400. *Qualitative Analysis of Landowner Behavior During Peaks in Economic Hardship*. UNL's Undergraduate Creative Activities and Research Experience program, 2016.
- Hoppe, I. \$2,000. *Quantifying boom chorus of greater-prairie chickens near a wind turbine facility*. UNL's Undergraduate Creative Activities and Research Experience program, 2013.

- Dallmann, J. \$2,000. *Economic development in an African rural setting*. UNL's Undergraduate Creative Activities and Research Experience program, 2013.
- Hoppe, I. \$2,000. *Investigating the relationship between genetic heterogeneity and asymmetry on the scutes of Western Painted Turtle (*Chrysemys picta bellii*) plastrons*. UNL's Undergraduate Creative Activities and Research Experience program (Honors Student Thesis), 2012.
- Dallmann, J. \$2,000. *Determination of nest absence rates in prairie-chickens*. UNL's Undergraduate Creative Activities and Research Experience program, 2011.
- Ahlschwede, C. \$2,000. *An Assessment of Using Stable Isotope Analysis Methods to Assign Geographic Origin to Migrating Red Tailed Hawks*. UNL's Undergraduate Creative Activities and Research Experience program, 2010.
- Schole, A. \$2,000. *Survival and habitat use of prairie-chicken chicks in southeast Nebraska*. UNL's Undergraduate Creative Activities and Research Experience program, 2008.
- Harter, S. \$2,000. *Reproductive ecology of western painted turtles (*Chrysemys picta*)*. UNL's Undergraduate Creative Activities and Research Experience program, 2007.
- Groepper, S. \$2,000. *Prototype assessment of a solar-powered, remote, digital video recording system to monitor breeding songbirds in Nebraska's Sandhills grasslands*. UNL's Undergraduate Creative Activities and Research Experience program, 2006.
- O'Hare, B. \$2,000. *Developing a habitat model for Bailey's Eastern Woodrat in the Niobrara Valley, NE*. UNL's Undergraduate Creative Activities and Research Experience program, 2005.
- Cunningham, Z. \$2,400. *Landscape patterns of Songbird Nest Parasitism in Nebraska's Rainwater Basin—second-year research grant*. UNL's Undergraduate Creative Activities and Research Experience program, 2004.
- Fricke, K. A. \$2,000. *Community dynamics of rodents and songbirds in the Nebraska Sandhills—first-year research grant*. UNL's Undergraduate Creative Activities and Research Experience program, 2004.
- Cunningham, Z. \$2,000. *Songbird movements and nest success in Nebraska's Rainwater Basin—first-year research grant*. UNL's Undergraduate Creative Activities and Research Experience program, 2003.
- Niederklein, K. \$2,000. *Mesopredator movements and habitat use in Nebraska's Rainwater Basin—second-year research grant*. UNL's Undergraduate Creative Activities and Research Experience program, 2003.
- Scott, L. \$2,000, *Faculty/Student Research Grant: Using DNA analyses to determine natal dispersal rates of wood thrush juveniles*. Iowa College Foundation, 2001.
- Barry, I., and D. Calvert. \$2,000, *Faculty/Student Research Grant: Aerial telemetry relocation of dispersing peregrine falcon juveniles*. Iowa College Foundation, 2000.
- Hass, J. \$1,970, *Faculty/Student Research Grant: Natal dispersal of red-bellied woodpecker juveniles*. Iowa College Foundation, 2000.
- Reding, D. \$2,000, *Faculty/Student Research Grant: Distribution, population structure, and movement patterns of the bobcat in Dubuque County, Eastern Iowa* (written with Dr. Robert Dillinger). Iowa College Foundation, 1999.

## PRESENTATIONS/PUBLISHED RESEARCH ABSTRACTS

- '17 Roberts CP, VM Donovan, L Powell, CR Allen, C Wonkka, D Wedin, and D Twidwell. 2017. Long-term legacy effects of a mixed-severity wildfire in eastern ponderosa pine. Midwest Fish and Wildlife Conference 2017. Lincoln, NE. (Abstract)

- '16 Brown, M. B., Powell, L. A., Smith, J. A., Harrison, J. O., Whalen, C. E., Walsh, E. J., McKee, J., and Raynor, E. J. 2016. Greater prairie-chicken demographics, behavior, and movements: in the context of a wind energy facility in Nebraska. Rivers and Wildlife Celebration, Nebraska Audubon. March 19, 2016, Kearney, Nebraska. (Invited).
- McCollum, K., L. Powell, A. Snyman, M. Bomberger, and J. Carroll. 2016. Occupancy analysis and density estimation of Kori Bustards (*Ardeotis kori*) and Helmeted Guineafowl (*Numida meleagris*) for use in landscape conservation planning in the Northern Tuli Game Reserve, Botswana. North American Ornithology Conference 2016. 16-20 August 2016, Washington, DC. (Abstract)
- Niebauer, C., Raynor, E., Harrison, J. O., Brown, M. B., and Powell, L. A. 2016. Nest attendance and incubation microclimate of Greater Prairie-Chickens (*Tympanuchus cupido*) in the Sandhills of Nebraska. Nebraska Chapter of the Wildlife Society annual conference, Nebraska Chapter of the Wildlife Society. March 10, 2016, Kearney, NE. (Abstract).
- Sliwinski, M., M. Burbach, L. Powell, W. Schacht. 2016. Understanding ranchers' perceptions of heterogeneity in the Northern Great Plains. The Nebraska Academy of Sciences, Annual Meeting, 22 April 2016 (Abstract).
- Sliwinski, M., L. A. Powell, W. Schacht, and M. Burbach. 2016. Examining landscape heterogeneity and understanding ranchers' perceptions of heterogeneity in the Northern Great Plains. Nebraska Chapter of The Wildlife Society, Annual Meeting, 8-10 March 2016, Kearney, NE, USA (Abstract).
- Sliwinski, M., M. Burbach, L. A. Powell, and W. Schacht. 2016. Understanding rancher's perceptions of habitat heterogeneity in the Northern Great Plains. Nebraska Chapter of The Wildlife Society, Annual Meeting, 8-10 March 2016, Kearney, NE, USA. (Abstract)
- Sliwinski, M., M. Burbach, L. A. Powell, and W. Schacht. 2016. Understanding rancher's perceptions of habitat heterogeneity in the Northern Great Plains. Prairie Conservation and Endangered Species Conference, 16-18 February 2016, Saskatoon, SK, Canada. (Abstract)
- Powell, L. A., Brown, M. B., Smith, J. A., Harrison, J. O., Whalen, C. E., Walsh, E. J., McKee, J., Raynor, E. J. 2016. Assessment of effects of an existing wind energy facility on greater prairie-chickens in the Nebraska Sandhills. Annual meeting of the Nebraska Chapter of The Wildlife Society, Nebraska Chapter of The Wildlife Society. March 10, 2016, Kearney, Nebraska. (Abstract).
- Raynor, E. J., Brown, M. B., Powell, L. A. 2016. Songbird acoustic activity in a wind energy facility-grassland matrix. Nebraska Natural Legacy Conference, NGPC. September 21, 2016, Broken Bow, NE, (Invited).
- Raynor, E. J., Whalen, C. E., Walsh, E. J., McKee, J., Brown, M. B., Powell, L. A. 2016. "Prairie grouse biophony vs. anthrophony: "booming grounds" within a wind energy-rangeland matrix. Annual Society for Range Management conference, Society for Range Management. February 2, 2016, Texas. (Abstract).
- Roberts CP, VM Donovan, L Powell, CR Allen, C Wonkka, D Wedin, and D Twidwell. 2016. Long-term legacy effects of a severe wildfire in eastern ponderosa pine. *Nebraska Natural Legacy Conference 2016*. Broken Bow, NE. (Abstract)
- Roberts CP, VM Donovan, L Powell, CR Allen, C Wonkka, D Wedin, and D Twidwell. 2016. Long-term legacy effects of a mixed-severity wildfire in eastern ponderosa pine. *Nebraska Prescribed Fire Conference 2016*. Kearney, NE. (Abstract)
- Whalen, C., Brown, M. B., McGee, J., Powell, L. A., Walsh, E. J. 2016. The effects of wind turbine noise on male Greater Prairie Chicken vocal output during the breeding season. Annual conference, Acoustical Society of America. November 2016, Honolulu, Hawaii. (Abstract).
- '15 Brown, M., Smith, J., Whalen, C., Powell, L. A. 2015. Indirect effects of a wind energy facility on the behavior of Greater Prairie-Chickens (*Tympanuchus cupido pinnatus*) at leks in Nebraska, USA. Nebraska Natural Legacy Conference, Nebraska Game and Parks Commission, Grand Island, NE, September 29, 2015 (Abstract).
- Brown, M., Smith, J., Whalen, C., Powell, L. A. 2015. Indirect effects of a wind energy facility on the behavior of Greater Prairie-Chickens (*Tympanuchus cupido pinnatus*) at leks in Nebraska, USA. Grouse Symposium, International Grouse Society, Reykjavik, Iceland, September 4, 2015 (Abstract).
- Powell, L. A. 2015. Impending correction in land values: are conservation planners ready to make an historic impact on private lands? Annual Meeting of the Nebraska Chapter of the Wildlife Society, Nebraska Chapter of the Wildlife Society, Ogallala, NE, February 26, 2015 (Abstract).
- Powell, L. A., Brown, M., Harrison, J. O., Raynor IV, E., Smith, J., Whalen, C. 2015. Greater Prairie-Chicken demographics, behavior, and movements: in the context of a wind energy facility in Nebraska. Nebraska Wind Energy Conference, Nebraska Wind Energy Association, Omaha, NE, Nov. 4, 2015 (Invited).
- Powell, L. A., Brown, M., and Smith, J. 2015. Modeling thresholds to detect effects of disturbance on grouse: matching non-linear models to biological processes. Grouse Symposium, International Grouse Society, Reykjavik, Iceland, September 4, 2015 (Abstract).
- Sliwinski, M., Burbach, M. Powell, L. A., Schacht, W. 2015. Creating habitat heterogeneity in grasslands with insights from ecology and ranchers. Grassland Seminar, Center for Grassland Studies, October 2015 (Invited).
- Sliwinski, M., Burbach, M., Powell, L. A., Schacht, W. 2015. Understanding rancher's perceptions of habitat heterogeneity in the Northern Great Plains. Annual Meeting of the Wildlife Society, The Wildlife Society,

- Winnipeg, MB, Canada, October 18, 2015 (Abstract).
- Sliwinski, M., Burbach, M., Powell, L. A., Schacht, W. 2015. Understanding rancher's perceptions of habitat heterogeneity in the Northern Great Plains. America's Grasslands Conference, World Wildlife Fund, Fort Collins, CO, September 29, 2015 (Abstract).
- Sliwinski, M., Powell, L. A., and Schacht, W. 2015. How do we assess grassland bird communities and heterogeneity? Annual Meeting of the Nebraska Chapter of the Wildlife Society, Nebraska Chapter of the Wildlife Society, Ogallala, NE, February 26, 2015 (Abstract).
- Smith, J., Brown, M., Harrison, J. O., and Powell, L. A. 2015. Predation risk as a mechanism for effects of a wind energy facility on survival of female Greater Prairie-Chickens (*Tympanuchus cupido pinnatus*) in Nebraska, USA. Grouse Symposium, International Grouse Society, Reykjavik, Iceland, September 4, 2015 (Abstract).
- Smith, J., Brown, M., Whalen, C., and Powell, L. A. 2015. Indirect effects of a wind energy development on the lekking behavior of Greater Prairie-Chickens (*Tympanuchus cupido pinnatus*). AFO/SCO-SOC/WOS joint annual meeting, Association of Field Ornithologists, Society of Canadian Ornithologists and Wilson Ornithological Society, Wolfville, Nova Scotia, Canada, July 17, 2015 (Abstract).
- Walsh, E. J., McKee, J. A., Whalen, C. E., Powell, L. A., and Brown, M. 2015. Could wind turbine noise interfere with Greater Prairie-chicken (*Tympanuchus cupido pinnatus*) courtship? Acoustical Society of America annual meeting, Acoustical Society of America, Pittsburgh, PA, May 18, 2015 (Abstract).
- Whalen, C., Brown, M., McGee, J., Powell, L. A., Smith, J., and Walsh, E. 2015. The effects of wind turbines on male Greater Prairie-Chicken (*Tympanuchus cupido pinnatus*) vocalizations. AFO/SCO-SOC/WOS joint annual meeting, Association of Field Ornithologists, Society of Canadian Ornithologists and Wilson Ornithological Society, Wolfville, Nova Scotia, Canada, July 17, 2015 (Abstract).
- Whalen, C., Brown, M., Powell, L. A., McKee, J. A., Smith, J., and Walsh, E. J. 2015. Assessing the effects of wind farms on Greater Prairie-Chickens (*Tympanuchus cupido*) in Nebraska. Audubon's Nebraska Crane Festival, Nebraska Audubon, Kearney, NE, March 21, 2015 (Abstract).
- Whalen, C., Brown, M., Powell, L. A., McGee, J., Smith, J., and Walsh, E. 2015. Assessing the effects of wind farms on Greater Prairie-Chickens (*Tympanuchus cupido*) in Nebraska. Audubon's Nebraska Crane Festival, Nebraska Audubon, Kearney, NE, March 21, 2015 (Abstract).
- '14 Haugen, M.T., M.P. Vrtiska, and L.A. Powell. 2014. Co-occurrence of duck species in hunter daily bags. The Wildlife Society, Nebraska Chapter Annual Meeting, Kearney, NE, Feb. 27, 2014 (Abstract).
- Joubert, D., L. A. Powell, and N. Blaum. 2014. Estimating African White-backed Vulture *Gyps africanus* population size through mark re-sighting techniques at vulture restaurants, and modelling population decline under different scenarios: two crucial steps in preventing the extinction of this species. The Endangered Wildlife Trust's Birds of Prey Programme, The Endangered Wildlife Trust, Etosha National Park, Namibia, 22 May 2014. (Invited).
- Olney, J.A., M. B. Brown, L. A. Powell, and J. A. Smith. 2014. Movements and breeding demographics of Greater Prairie-Chickens near a wind farm in the grasslands of the Nebraska Sandhills, Center for Grassland Studies Citizens Advisory Council Meeting, Lincoln, NE, 31 October, 2014 (Invited).
- Olney, J.A., M. B. Brown, L. A. Powell, and J. A. Smith. 2014. Greater Prairie-Chicken nest site selection and nest success in the Nebraska Sandhills, 74<sup>th</sup> Annual Midwest Fish & Wildlife Conference, Kansas City, MO, 26-29 January, 2014.
- Olney, J.A., M. B. Brown, L. A. Powell, and J. A. Smith. 2014. Effect of a wind farm on Greater Prairie-Chicken nest site preference in the Nebraska Sandhills, The Wildlife Society Annual Conference, Pittsburgh, PA, 25-30 October, 2014.
- Powell, L. A. 2014. Born of Crisis: Drought Delivered Conservation Programs to Private Lands. Drought Symposium: Center for Great Plains Studies, Lincoln, NE, 1-4 April 2014. (Abstract).
- Powell, L. A. 2014. Do group assignment methods affect student grades? University Education in Natural Resources Conference, Auburn, AL. 13-15 April 2014. (Abstract).
- Powell, L. A. 2014 Hitler's effect on wildlife in Nebraska. Audubon's Nebraska Crane Festival, Kearney, NE, 22 March 2014 (Invited).
- Powell, L. A. 2014. Nebraska's changing landscapes. NGPC Fisheries Division Meeting, Nebraska Game and Parks Commission, Gretna, NE, 24 February 2014. (Invited).
- Powell, L. A. 2014. "Conservation and ecotourism in Namibia. SCI Annual Convention, Safari Club International, Gretna, NE, 25 January 2014. (Invited).
- Sandercock, B. K., V. L. Winder, C. A. Hagen, D. A. Haukos, D. C. Kesler, D. C., M. A. Patten, and L. A. Powell. 2014. Regional variation in the seasonal survival of prairie chickens. American Ornithologist Union Annual Meeting, 23-28 September 2014, Estes Park, CO. (Abstract).
- Sliwinski, M., L. A. Powell, and Walter Schacht. 2014. Does a variety of grazing systems across multiple ranches result in greater landscape heterogeneity in the Nebraska Sandhills? Nebraska Section of The Wildlife Society, Annual Meeting, Kearney, NE, 27 February 2014 (Abstract).
- Sliwinski, M., L. A. Powell, and Walter Schacht. 2014. How do we assess grassland bird communities and heterogeneity? The Wildlife Society, Annual Meeting, Pittsburgh, PA, 25-30 October 2014 (Abstract).



- Smith, J.A., M.B. Brown, and L. A. Powell. 2014. Training wildlife biologists for work on private lands. Congress for Wildlife and Livelihood on Private and Communal Lands: Livestock, Tourism and Spirit, Estes Park, CO, 7-12 September 2014 (Abstract).
- Smith, J.A., M. B. Brown, and L. A. Powell. 2014. Overcoming the challenges of working on private lands: targeted training. Congress for Wildlife and Livelihood on Private and Communal Lands: Livestock, Tourism and Spirit, Estes Park, CO, 7-12 September 2014 (Invited).
- Smith, J.A, M. B. Brown, and L. A. Powell. 2014. Effects of a wind farm on predation risk of Greater Prairie-Chickens. 74<sup>th</sup> Midwest Fish and Wildlife Conference, Kansas City, MO, 26-29 January, 2014 (Abstract).
- Smith, J.A., J. Olney, C. Whalen, M. B. Brown, and L. A Powell. 2014. Indirect effects of a wind farm on predation risk and survival of Greater Prairie-Chickens. American Ornithologists' Union meeting in Estes Park, CO, 23-27 September 2014 (Invited).
- Smith, J.A., J. Olney, C. Whalen, M. B. Brown, and L. A Powell. 2014. Indirect effects of a wind farm on predation risk and survival of Greater Prairie-Chickens, 7<sup>th</sup> Annual Nebraska Wind and Solar Conference and Exhibition, La Vista, NE, 29-30 October 2014 (Invited).
- Smith, J.A., J. Olney, C. Whalen, M. B. Brown, and L. A Powell. 2014. Assessing the effects of wind farms on Greater Prairie-Chickens (*Tympanuchus cupido*) in Nebraska. Audubon's Nebraska Crane Festival, Kearney, NE, 22 March 2014 (Invited).
- Smith, J.A., Olney, J., Whalen, C., Brown, M.B. and Powell, L.A. 2014. Assessing the effects of wind farms on greater prairie-chickens: A mechanistic approach. Benedictine College, Kansas. 20 Nov 2014. (Invited).
- Whalen, C., M. Bomberger Brown, J. McGee, L. Powell, J. Smith, and E. Walsh. 2014. The acoustic characteristics of Greater Prairie-Chicken vocalizations. Acoustical Society of America, Indianapolis, Indiana, October 27, 2014 (Abstract).
- Whalen, C., M. Bomberger Brown, J. McGee, L. Powell, J. Smith, and E. Walsh. 2014. The acoustic characteristics of Greater Prairie-Chicken vocalizations. Nebraska Natural Legacy Conference, Gering, Nebraska, October 8, 2014 (Abstract).
- Winder, V. L., B. K. Sandercock, C. A. Hagen, D. A. Haukos, D. C. Kesler, M. A. Patten, and L. A. Powell. 2014. Lek sites drive female resource use in ten populations of prairie-chickens. American Ornithologist Union Annual Meeting, 23-28 September 2014, Estes Park, CO. (Abstract).
- '13 Anderson, L., W. Schacht, J. Lusk, B. Vodehnal, and L. A. Powell. 2013. Breeding habitat selection and productivity of greater prairie-chickens in the Nebraska Sandhills. Society for Range Management Annual Meeting, Oklahoma City, OK, 3-7 February 2013 (Invited).
- Corral, Lucia, L. A. Powell, and J. J. Fontaine. 2013. Canid community composition and distribution across Nebraska. Nebraska Legacy Conference. Nebraska City, NE. 5 September 2013. (Abstract).
- Corral, Lucia, L. A. Powell, and J. J. Fontaine. 2013. Canid community composition and distribution across Nebraska. The Wildlife Society Annual Meeting, Milwaukee, WI. 4-9 October 2013 (Abstract).
- Haugen, M., M. Vrtiska, and L. A. Powell. 2013. Differentiating duck hunters based on harvest in the Central Flyway. 6<sup>th</sup> North American Duck Symposium, Memphis, TN, 27-30 January 2013 (Abstract).
- Haugen, M., L. A. Powell, and M. Vrtiska. 2013. The domino effect: assessing potential impacts of regulation change on multiple duck stocks. The Wildlife Society Annual Meeting, Milwaukee, WI. 4-9 October 2013 (Abstract).
- Henaux, V., M. Vrtiska, L. A. Powell, and K. Hobson. 2013. Establishing winter origins of migrating lesser snow geese using stable isotopes. 6<sup>th</sup> North American Duck Symposium, Memphis, TN, 27-30 January 2013 (Abstract).
- Powell, L. 2013. Hitler's effect on wildlife in Nebraska. Department of Agronomy and Horticulture Banquet. Lincoln, NE. April 12, 2013 (Invited).
- Powell, L. 2013. Hitler's effect on wildlife in Nebraska. Prairie Chicken Festival, Calamus Outfitters, Burwell, NE. April 6, 2013. (Invited).
- Powell, L., T. Matthews, L. Anderson, W. Schacht, J. Lusk, A. Tyre, and B. Vodehnal. 2013. A comparison of habitat selection and success of greater prairie-chickens in tallgrass and mixed grass prairies in Nebraska. Society for Range Management Annual Meeting, Oklahoma City, OK, 3-7 February 2013 (Invited).
- Powell, L., T. Matthews, L. Anderson, W. Schacht, J. Lusk, A. Tyre, and B. Vodehnal. 2013. A comparison of nest habitat selection of greater prairie-chickens in tallgrass and mixed grass prairies in Nebraska. The Wildlife Society Annual Meeting, Milwaukee, WI. 4-9 October 2013 (Abstract).
- Powell, L. A., M. Bomberger Brown, J. Smith, C. Jezierski, J. Lusk, J. McCarty, J. Fontaine, J. Olney, W. Schacht, B. Vodehnal, E. Walsh, C. Whalen, H. Wills, and L. Wolfenbarger. 2013. Wildlife avoidance studies: the need to evaluate mechanisms. Nebraska Wind Conference, Lincoln, NE. 14 November 2013 (Invited).
- Smith, J.A., M. Bomberger Brown, and L.A. Powell. 2013. Effects of wind farms on Greater Prairie-Chickens (*Tympanuchus cupido*) in Nebraska. Nebraska Legacy Conference. Nebraska City, NE. 4 September 2013. (Abstract).
- Smith, J.A., J. Olney, C. Whalen, M. Bomberger Brown, & L.A. Powell. 2013. Effects of wind farms on Greater Prairie-Chickens (*Tympanuchus cupido*) in Nebraska: An Update. Society for Range Management Annual Meeting: Nebraska Section, Ainsworth, NE. 9<sup>th</sup> October 2013 (Invited).
- '12 Anderson, L., W. Schacht, L. A. Powell, J. Lusk, and W. Vodehnal. 2012. Greater Prairie-Chicken Nest and Brood

- Site Selection in the Eastern Nebraska Sandhills. Barta Brothers Ranch Youth Field Day, IANR, Rose, NE, April 24, 2012.
- Anderson, L., W. Schacht, L. A. Powell, J. Lusk, and W. Vodehnal. 2012. Greater Prairie-Chicken Nest and Brood Site Selection in the Eastern Nebraska Sandhills. Society for Range Management Annual Meeting, Society for Range Management, Spokane, WA, February 15, 2012. (Abstract)
- Dallman, J. D., L. C. Anderson, L. A. Powell, and W. Schacht. 2012. Using iButtons to Determine Nest Absences of Greater Prairie-Chickens. UNL Life Sciences Research Conference, UNL, Lincoln, NE, 10 October 2012.
- Dallman, J. D., L. C. Anderson, L. A. Powell, and W. Schacht. 2012. Using iButtons to Determine Nest Absences of Greater Prairie-Chickens. Nebraska Wildlife Society Conference, Nebraska Wildlife Society, Ponca, NE, February 20, 2012 (Abstract).
- Haugen, M., M. Vrtiska, and L. A. Powell. 2012. Spatial and temporal of duck harvest in the Central Flyway. Midwest Fish and Wildlife Conference, Wichita, KS, 12 December 2012 (Abstract).
- Jorgensen, J., S. Dinsmore, C. Gregory, and L. A. Powell. 2012. Nebraska's Long-billed Curlews. Rivers and Wildlife Celebration, US Fish and Wildlife Service, Grand Island, NE, March 18, 2012 (Abstract).
- Olney, J., C. Whalen, J. Smith, M. Brown, and L. A. Powell, L. A. 2012. Greater Prairie-Chickens & Wind Energy Development. Nebraska Legacy Conference, Nebraska Game and Parks Commission, North Platte, NE, 24 October 2012 (Abstract)
- Powell, L. A. 2012. Prairie-chickens in the sandhills. Sandhills Discovery Experience, Ainsworth City Council, Ainsworth, NE, 17 July 2012.
- Powell, L. A., L. Wolfenbarger, W. Vodehnal, C. Jezierski, M. Brown. 2012. Prairie grouse and wind Power development. Biologist Meeting, Nebraska Public Power District, Columbus, NE, May 1, 2012.
- Powell, L. A. 2012. Prairie-chickens in the sandhills. Prairie-chicken festival, Calamus Outfitters, Burwell, NE, April 20, 2012.
- Powell, L. A., L. Anderson, W. Schacht, J. Lusk, W. Vodehnal, S. Taylor, and R. Tyre. 2012. Habitat management for prairie-chickens in Nebraska. Isaac Walton League Annual Statewide Meeting, Lincoln, NE, January 13, 2012. (Abstract)
- Rehme, S., L. Wolfenbarger, C. Allen, and L. A. Powell. 2012. A framework for augmenting long-term monitoring with short-term research. Cooperative Ecosystem Studies Unit Annual Meeting, Cooperative Ecosystem Studies Units, Washington, DC, 13 June 2012. (Abstract)
- '11 Anderson, L., W. Schacht, L. Powell, J. Lusk, and B. Vodehnal. 2011. Vegetation Structure and Composition at Greater Prairie-Chicken Nest and Brood Sites: Drivers for Success? Society for Range Management Annual Meeting, Billings, MT, 6 February 2011. (Abstract)
- Anderson, L., W. Schacht, L. Powell, J. Lusk, and B. Vodehnal. 2011. Vegetation Structure and Composition at Greater Prairie-Chicken Nest and Brood Sites: Drivers for Success? NE Chapter of The Wildlife Society Annual Meeting, Hastings, NE, 24 February 2011. (Abstract)
- Anderson, L., W. Schacht, L. Powell, J. Lusk, and B. Vodehnal. 2011. Vegetation Structure and Composition at Greater Prairie-Chicken Nest and Brood Sites: Drivers for Success? Nebraska Grazing Conference, Kearney, 9-10 August 2011. (Abstract)
- Gregory, C., S. Dinsmore, L. A. Powell, and J. G. Jorgensen. 2011. Estimating the abundance of Longbilled Curlews in Nebraska. Association of Field Ornithologists/Cooper's Ornithological Society/Wilson's Ornithological Society Joint Annual Meeting, Kearney, NE, 9-13 March, 2011. (Abstract).
- Jorgensen, C., J. J. Fontaine, and L. A. Powell. 2011. Assessing landscape and habitat attributes at multiple scales: what drives avian abundance and distribution in grasslands? Association of Field Ornithologists/Cooper's Ornithological Society/Wilson's Ornithological Society Joint Annual Meeting, Kearney, NE, 9-13 March, 2011.(Abstract).
- Powell, L. A., and L. Corral. 2011. The Crane Game: Introducing structured decision-making to undergraduate students. Adaptive management conference, USGS. Auburn University, Auburn, AL. 24 August, 2011. (Abstract).
- Powell, L. A. 2011. Cross-property agreements on ranch lands provide scale for avian conservation. Association of Field Ornithologists/Cooper's Ornithological Society/Wilson's Ornithological Society Joint Annual Meeting, Kearney, NE, 9-13 March, 2011. (Abstract).
- Powell, L. A. 2011. Population Assessment Tools. Nebraska Game and Parks Commission, Fisheries Research Section Meeting, Burwell, NE, 10 August 2011. (Abstract).
- Pracheil, B.M., M.A. Pegg, L.A. Powell, and G.E. Mestl. April 2010. Range-wide movements of paddlefish demonstrate need for interjurisdictional management. Upper Mississippi River Research Consortium, LaCrosse, WI. April 2011. (Abstract).
- Rehme, S. E., C. R. Allen, K. A. Hobson, and L. A. Powell. Can nestling songbirds reveal adult breeding site fidelity? Association of Field Ornithologists/Cooper's Ornithological Society/Wilson's Ornithological Society Joint Annual Meeting, Kearney, NE, 9-13 March, 2011. (Abstract).
- '10 Anderson, L., W. Schacht, L. Powell, M. Giovanni, and J. Lusk. 2010. Assessment of visual obstruction using digital image analysis. The Wildlife Society's Annual Meeting, Snowbird, UT, 5 October 2010.

- Anderson, L., W. Schacht, L. Powell, J. Lusk, and W. Vodehnal. 2010. Habitat selection of prairie-chickens in Nebraska's Sandhills. Society for Range Management: Nebraska Section Annual Meeting, Halsey, NE, 13 October 2010. (Abstract).
- Powell, L. A., U. Kazahe, and R. Kharuxab. 2010. Ecotourism affects personal values of wildlife on communal lands in Namibia. The Wildlife Society's Annual Meeting, Snowbird, Utah, Oct. 2, 2010. (Abstract)
- Powell, L. A., S. Rehme, and C. Allen. 2010. Using stable isotopes to assess variability in fidelity of grassland birds on National Park Service units in the Great Plains. North American Prairie Conference, Cedar Falls, Iowa. Aug. 1-5, 2010. (Abstract).
- Powell, L. A., A. J. Tyre, M. J. Conroy, J. T. Peterson, B. K. Williams. 2010. Integrating adaptive management into wildlife curricula. The Wildlife Society Annual Meeting (Oct. 2-6, 2010). Snowbird, Utah. (Abstract)
- Rehme, S. E., C. Allen, and L. A. Powell. 2010. Using stable isotopes to assess fidelity of grassland songbirds. The Wildlife Society's Annual Meeting, Snowbird, Utah, Oct. 2-6, 2010.
- Schacht, W. and L. Powell. 2010. Managing grazing lands for upland game birds, 2010 Grazing Conference. Kearney, Nebraska. 08/11/2010. (Abstract)
- '09 Cunningham, Z., M. Vrtiska, L. A. Powell, S. Stephens, and J. Walker. 2009. Breeding Site Fidelity and Landscape Effects on Distribution of Mallard Ducks and Broods in the Nebraska Sandhills. Fifth North American Duck Symposium, Toronto, Canada. 17-21 August 2009 [Abstract].
- Gregory, C. J., S. J. Dinsmore, L. A. Powell, and J. G. Jorgensen. 2009. Movements and survival of long-billed curlew chicks (*Numenius americanus*) in Nebraska. Western Hemisphere Shorebird Group Meeting, Sinaloa, Mexico. March 9-13, 2009 (Invited abstract).
- Lawyer, W. L., M. D. Giovanni, W. H. Schacht, and L. A. Powell. 2009. Nest survival and site characteristics of the red-winged blackbird in the Nebraska Sandhills. UNL Undergraduate Research Conference, University of Nebraska-Lincoln. 16 April 2009 (Abstract).
- Powell, L. A. 2009. Tracking stealthy creatures: analysis of movement data of game birds and mountain lions in Nebraska, USA. School of Natural Resources and Tourism, Polytechnic of Namibia: Research Seminar Series (Invited abstract).
- Rehme, S. E., C. R. Allen, and L. A. Powell. 2009. Grassland bird communities at National Park Service Properties: Can small be useful? Ecological Society of America Annual Meeting, 2-7 August 2009. Albuquerque, NM [Abstract].
- Steffensen, K., L. Powell, and J. Koch. 2009. Assessment of hatchery-reared pallid sturgeon survival in the lower Missouri River. USFWS: Middle Basin Pallid Sturgeon Workgroup. January 25, 2009. St. Louis, MO. (Abstract).
- '08 Anderson, L. C., M. D. Giovanni, W. H. Schacht, and L. A. Powell. 2008. Incomplete detectability for a grassland bird nest-detection method. Joint Meeting of the Society for Range Management and the American Forage and Grassland Council, January 26 - 31, 2008. (Abstract).
- Cunningham, Z. J., J. A. Walker, M. P. Vrtiska, S. E. Stephens, and L. A. Powell. 2008. Low survival of mallard nests and high survival of mallard hens in the Sandhills of Nebraska. Nebraska Chapter of The Wildlife Society Conference/Prairie Bird Symposium, Kearney, NE. February 28, 2008 (Invited Abstract).
- Giovanni, M. D., L. A. Powell, and W. H. Schacht. 2008. Remote nest monitoring, modeling nest survival, and assessing the effects of nest visitation. Nebraska Chapter of The Wildlife Society Conference/Prairie Bird Symposium, Kearney, NE. February 28, 2008 (Invited Abstract).
- Henaux, V., L. A. Powell, and K. A. Hobson. 2008. Predicting origin and migration route of mountain lions using stable isotope gradient in claws. Midwest Furbearer Resources Workshop, Olathe, KS. June 9-12, 2008 (Abstract; presented by S. Wilson).
- Martin, D. R., K. L. Pope, and L. A. Powell. 2008. A patch occupancy model to assess importance of habitats for walleye. American Fisheries Society 138<sup>th</sup> Annual Meeting, Ottawa, Ontario, Canada. August 17-21, 2008 (Abstract).
- Matthews, T. W., L. A. Powell, A. J. Tyre, J. S. Taylor, and J. J. Lusk. 2008. Local population effects of CRP habitat on game birds in Nebraska. Nebraska Chapter of The Wildlife Society Conference/Prairie Bird Symposium, Kearney, NE. February 28, 2008 (Invited Abstract).
- Powell, L. A. 2008. An ecologist reflects on the problem of evil: why Aldo Leopold and baby meadowlarks argue against an all-powerful God. Graceland University Seminary's Theology and Ministry Forum. Lamoni, IA. February 8-10, 2008 (Invited Abstract).
- Powell, L. A., S. L. F. Kempema, and W. H. Schacht. 2008. Grassland birds and grazing on private grasslands in the Nebraska Sandhills. UNL Grazing Conference, Kearney, NE. August 12-13, 2008 (Invited Abstract).
- Powell, L. A., J. Scott Taylor, J.J. Lusk. 2008. An adaptive harvest management exercise for greater prairie-chicken harvest in Southeast Nebraska: using harvests and surveys to gain information about harvest mortality. Nebraska Chapter of The Wildlife Society Conference/Prairie Bird Symposium, Kearney, NE. February 28, 2008 (Invited Abstract).
- '07 Anderson, L. C., M. D. Giovanni, W. H. Schacht, and L. A. Powell. 2007. Incomplete detectability for a grassland bird nest-detection method. Nebraska Chapter of The Wildlife Society and Nebraska Section of The Society for Range Management 2007 Joint Conference, Grand Island, NE. October 11, 2007 (Abstract).

- Anderson, L. C., M. D. Giovanni, W. H. Schacht, and L. A. Powell. 2007. Incomplete Detectability for a Grassland Bird Nest Detection Method. Midwest Fish and Wildlife Conference, Madison, WI. Dec. 10-12, 2007 (Abstract).
- Cunningham, Z. J., J. A. Walker, M. P. Vrtiska, S. E. Stephens, and L. A. Powell. 2007. Low survival of mallard nests and high survival of mallard hens in the Sandhills of Nebraska. Midwest Fish and Wildlife Conference, Madison, WI. Dec. 10-12, 2007 (Abstract).
- Henaus, V., L. A. Powell, A. J. Tyre, and K. A. Hobson. 2007. Using stable isotopes to predict the wintering origin of migrating lesser snow geese stopping in the Rainwater Basin of Nebraska. Midwest Fish and Wildlife Conference, Madison, WI. Dec. 10-12, 2007 (Abstract).
- Henaus, V., L. A. Powell, and K. A. Hobson. 2007. Predicting origin and migration route of mountain lions using stable isotope gradient in claws. Midwest Fish and Wildlife Conference, Madison, WI. Dec. 10-12, 2007 (Abstract).
- Giovanni, M. D., L. A. Powell, and W. H. Schacht. 2007. Gone with the wind: effects of wind speed on bird species' detectability. American Ornithologists Annual Meeting, Laramie, WY. August 8-11, 2007 (Abstract).
- Giovanni, M. D., L. A. Powell, and W. H. Schacht. 2007. Gone with the wind: effects of wind speed on bird species detectability. Nebraska Chapter of The Wildlife Society and Nebraska Section of The Society for Range Management 2007 Joint Conference, Grand Island, NE. October 11, 2007 (Abstract).
- Giovanni, M. D., L. A. Powell, and W. H. Schacht. 2007. Haying effects on grassland bird community composition dynamics. Midwest Fish and Wildlife Conference, Madison, WI. Dec. 10-12, 2007 (Abstract).
- Powell, L. A., S. L. F. Kempema, and W. H. Schacht. 2007. Grassland bird community response to vegetation composition and structure in the Nebraska Sandhills. American Ornithologists Annual Meeting, Laramie, WY. August 8-11, 2007 (Abstract).
- Powell, L. A., S. J. Taylor, and J. J. Lusk. 2007. An adaptive harvest management exercise for greater prairie-chicken harvest in Southeast Nebraska: using harvests and surveys to gain information about harvest mortality. Prairie Grouse Technical Committee Annual Meeting, Chamberlain, SD. Oct. 8-10, 2007 (Abstract).
- Powell, L. A., S. J. Taylor, and J. J. Lusk. 2007. An adaptive harvest management exercise for greater prairie-chicken harvest in Nebraska: using harvests and surveys to gain information about harvest mortality. Midwest Fish and Wildlife Conference, Madison, WI. Dec. 10-12, 2007 (Abstract).
- Reineke, M. L., M. D. Giovanni, S. R. Groepper, L. A. Powell, and W. H. Schacht. 2007. Nesting behavior time-budget analysis and nest predators of the Western Meadowlark. Nebraska Chapter of The Wildlife Society and Nebraska Section of The Society for Range Management 2007 Joint Conference, Grand Island, NE. October 11, 2007 (Abstract).
- Thacker-Lynn, L.E., M.D. Giovanni, L.A. Powell, and W.H. Schacht. 2007. Variation in *Orthoptera* biomass as an index of Western Meadowlark food availability. Nebraska Chapter of The Wildlife Society and Nebraska Section of The Society for Range Management 2007 Joint Conference, Grand Island, NE. October 11, 2007 (Abstract).
- Thacker-Lynn, L., M. D. Giovanni, L. A. Powell, and W. H. Schacht. 2007. Insect biomass variation at Western Meadowlark nest sites and random landscape points. Midwest Fish and Wildlife Conference, Madison, WI. Dec. 10-12, 2007 (Abstract).
- '06 Frost, J. S., and L. A. Powell. 2006. Avian and small mammal community composition in response to vegetation management in the Niobrara River Valley, Nebraska. Midwest Fish and Wildlife Conference, Omaha, NE. Dec. 3-6, 2006 (Abstract).
- Frost, J. S., and L. A. Powell. 2006. Avian and small mammal community composition in response to vegetation management in the Niobrara River Valley, Nebraska. The Wildlife Society Annual Meeting, Anchorage, AK. Sep. 23-27, 2006 (Abstract).
- Groepper, S. R., P. J. Gabig, M. P. Vrtiska, J. M. Gilsdorf, L. A. Powell, and S. E. Hygnstrom. 2006. Movements, site fidelity and survival of resident Canada geese in eastern Nebraska, 1991-1994. Midwest Fish and Wildlife Conference, Omaha, NE. Dec. 3-6, 2006 (Abstract).
- Groepper, S. R., M. D. Giovanni, and L. A. Powell. 2006. Evaluation of a video monitoring system for songbird nests in the Nebraska sandhills. Midwest Fish and Wildlife Conference, Omaha, NE. Dec. 3-6, 2006 (Abstract).
- Kempema, S. L., L. A. Powell, and W. H. Schacht. 2006. Influence of grazing systems on grassland birds in the Sandhills of Nebraska. Nebraska Grazing Conference, Kearney, NE. August 7-8, 2006 (Invited Abstract).
- Kempema, S. L. F., L. Powell, and W. H. Schacht. 2006. Assessment of factors causing variation in grassland bird density and productivity in the Nebraska Sandhills. The Wildlife Society Annual Meeting, Anchorage, AK. Sep. 23-27, 2006 (Abstract).
- Kempema, S. L. F., L. Powell, and W. H. Schacht. 2006. Influence of grazing systems on grassland bird density and productivity on private rangeland in the Nebraska Sandhills. Midwest Fish and Wildlife Conference, Omaha, NE. Dec. 3-6, 2006 (Abstract).
- Matthews, T. W., L. A. Powell, J. S. Taylor. 2006. Pheasants select interseeded CRP habitat for nesting and brood-rearing in eastern Nebraska. The Wildlife Society Annual Meeting, Anchorage, AK. Sep. 23-27, 2006 (Abstract).
- Matthews, T. W., L. Powell, and S. Taylor. 2006. Pheasants select interseeded CRP habitat for nesting and brood-rearing in eastern Nebraska. Midwest Fish and Wildlife Conference, Omaha, NE. Dec. 3-6, 2006 (Abstract).
- Patten, T., S. Harter, L. Pechacek, E. Rubin, K. Shum, D. Logan, and L. Powell. 2006. Investigations of western

- painted turtle populations in western Nebraska: diet, population size, and size classes. Midwest Fish and Wildlife Conference, Omaha, NE. Dec. 3-6, 2006 (Abstract).
- Post van der Burg, M., A. J. Tyre, and L. A. Powell. 2006. Hierarchical Bayesian logistic-exposure analysis of daily nest survival. Midwest Fish and Wildlife Conference, Omaha, NE. Dec. 3-6, 2006 (Abstract).
- Powell, L. A., T. W. Matthews, J. S. Taylor. 2006. Pattern recognition analysis to identify nesting behavior in radio-marked hen pheasants. Gamebird Conference, Athens, GA. May 31-June 2, 2006. (Abstract).
- Powell, L. A., T. W. Matthews, J. S. Taylor. 2006. Pattern recognition analysis to identify nesting behavior in radio-marked hen pheasants. The Wildlife Society Annual Meeting, Anchorage, AK. Sep. 23-27, 2006 (Abstract).
- '05 Coulter, S. C., D. G. Krementz, and L. A. Powell. 2005. Some effects of forest management on wood thrush at Sherburne Wildlife Management Area. Louisiana Association of Professional Biologists - Fall Symposium 2005. (Abstract).
- Cunningham, Z. J., M. Post van der Burg, and L. A. Powell. 2005. Landscape patterns of songbird nest parasitism in Nebraska's Rainwater Basin. The Wildlife Society's 2005 Annual Conference, Madison, WI. Sept. 25-29, 2005. (Abstract).
- Finkbeiner, S. L., L. A. Powell, and W. Schacht. 2005. Avian species richness, density and productivity among grazing systems in the Nebraska Sandhills. The Wildlife Society's 2005 Annual Conference, Madison, WI. Sept. 25-29, 2005. (Abstract).
- Fricke, K. A., S. L. Finkbeiner, and L. A. Powell. 2005. Documenting relationships between small mammals, ground nesting passerine birds, and grazing systems on private rangelands in the Nebraska sandhills. The Wildlife Society's 2005 Annual Conference, Madison, WI. Sept. 25-29, 2005. (Abstract).
- Jones, J. S., and L. A. Powell. 2005. Avian and small mammal species richness and community composition in response to vegetation management in the Niobrara River Valley. The Wildlife Society's 2005 Annual Conference, Madison, WI. Sept. 25-29, 2005. (Abstract).
- Matthews, T., L. A. Powell, and S. Taylor. Midcontract management of CRP, invertebrate responses, and pheasant habitat selection in Nebraska. The Wildlife Society's 2005 Annual Conference, Madison, WI. Sept. 25-29, 2005. (Invited Abstract).
- Powell, L. A., and K. A. Hobson. 2005. Large variation in hydrogen isotopic ratio for Wood Thrush feathers collected in Georgia, USA during the breeding season. The Wildlife Society's 2005 Annual Conference, Madison, WI. Sept. 25-29, 2005. (Abstract).
- '04 Coulter, S. C., D. G. Krementz, and L. A. Powell. 2004. Wood thrush movement patterns in managed bottomland hardwood forests of Louisiana. The Wildlife Society's 2004 Annual Conference, Calgary, Alberta, Canada, Sept. 18-22, 2004. (Abstract).
- Finkbeiner, S. L., L. A. Powell, and W. Schacht. 2004. Avian species richness, density and productivity among grazing systems in the Nebraska Sandhills. The Wildlife Society's 2004 Annual Conference, Calgary, Alberta, Canada, Sept. 18-22, 2004. (Invited Abstract).
- Finkbeiner, S. L., L. A. Powell, and W. Schacht. 2004. Avian species richness, density and productivity among grazing systems in the Nebraska Sandhills. Annual Meeting of the Nebraska Chapter of the Wildlife Society, Hastings, Nebraska, Sept. 24-25, 2004. (Invited Abstract).
- Kocer, C. J., and L. A. Powell. 2004. Immobilization of mesopredators with inhaled isoflurane in the field. The Wildlife Society's 2004 Annual Conference, Calgary, Alberta, Canada, Sept. 18-22, 2004. (Abstract).
- Post van der Burg, M., and L. A. Powell. 2004. Modeling nest survival in the Rainwater Basin: an analysis at three spatial scales. The Wildlife Society's 2004 Annual Conference, Calgary, Alberta, Canada, Sept. 18-22, 2004. (Abstract).
- Powell, L. A., C. J. Kocer, and M. Post van der Burg. 2004. The role of mesopredators in songbird nest predation in Nebraska's Rainwater Basin. The Wildlife Society's 2004 Annual Conference, Calgary, Alberta, Canada, Sept. 18-22, 2004. (Abstract).
- '03 Finkbeiner, S. L., L. A. Powell, and W. Schacht. 2003. Comparing avian species richness, density, and productivity among grazing systems in the Nebraska Sandhills with a multi-scale approach to vegetation measurements. 64<sup>th</sup> Midwest Fish and Wildlife Conference, Kansas City, MO, Dec. 7-10, 2003. (Abstract).
- Kocer, C. J., and L. A. Powell. 2003. Populations of mammalian predators in rainwater basin wetlands: can landscape factors predict abundance, movement dynamics, and songbird productivity? 64<sup>th</sup> Midwest Fish and Wildlife Conference, Kansas City, MO, Dec. 7-10, 2003. (Abstract).
- Post van der Burg, M., and L. A. Powell. 2003. Avian decision-making and productivity in Nebraska's Rainwater Basin: A preliminary analysis of habitat selection and population dynamics in red-winged blackbirds. 64<sup>th</sup> Midwest Fish and Wildlife Conference, Kansas City, MO, Dec. 7-10, 2003. (Abstract).
- Powell, L. A. 2003. Effects of Red Cedar Removal on the Bird Community at the Niobrara Valley Preserve, NE. Society for Ecological Restoration International, Austin, TX, Nov. 19-22, 2003. (Abstract, *invited paper*).
- Powell, L. A. 2003. Integrating stable isotope information with multi-state modeling to estimate movement rates among geographic strata. 121<sup>st</sup> Annual Meeting of the American Ornithologists' Union, Champaign, IL, Aug. 5-9, 2003. (Abstract, *invited paper*).
- Powell, L. A. 2003. What causes variation in wood thrush fledgling dispersal? 121<sup>st</sup> Annual Meeting of the American

- Ornithologists' Union, Champaign, IL, Aug. 5-9, 2003. (Abstract, *invited paper*).
- Powell, L. A., and S. L. Finkbeiner. 2003. Comparing avian species richness, density, and productivity among grazing systems in the Nebraska Sandhills. 121<sup>st</sup> Annual Meeting of the American Ornithologists' Union, Champaign, IL, Aug. 5-9, 2003. (Abstract).
- Powell, L. A., C. J. Kocer, and M. Post van der Burg. 2003. A landscape perspective on the effects of mesopredators on avian nest success in wetlands in Nebraska's Rainwater Basin. 121<sup>st</sup> Annual Meeting of the American Ornithologists' Union, Champaign, IL, Aug. 5-9, 2003. (Abstract).
- '02 Powell, L. A. 2002. Using stable isotopes in bird feathers to enhance estimation of transition rates in multistate capture-recapture models. Third North American Ornithological Conference, New Orleans, Louisiana, 24-28 September 2002. (Abstract).
- Powell, L. A. 2002. Juvenile dispersal of wood thrushes in a fragmented landscape: applying DNA analyses and telemetry. Seventeenth Annual Symposium, International Association for Landscape Ecology: U.S. Regional Association, Lincoln, Nebraska, 23-26 April 2002. (Abstract).
- '01 Kuntson, M. G., L. A. Powell, G. J. Niemi, M. Hammer-Friberg, R. K. Hines, and C. M. Sveum. 2001. Population growth as an indicator of forest habitat quality for songbird species nesting in the Driftless Area ecoregion. Upper Mississippi River Research Consortium, LaCrosse, WI, 26 April 2001. (Abstract).
- Kuntson, M. G., L. A. Powell, G. J. Niemi, M. Hammer-Friberg, and R. K. Hines. 2001. Population growth as an indicator of forest habitat quality for three songbird species nesting in the Driftless Area ecoregion. Ecological Society of America 86<sup>th</sup> Annual Meeting, Madison, WI, 5-10 August 2001. (Abstract).
- Powell, L. A., I. M. Barry, D. J. Calvert, and L. Washburn. 2001. Dispersal and survival of juvenile peregrine falcons during a large restoration project. Ecological Society of America 86<sup>th</sup> Annual Meeting, Madison, WI, 5-10 August 2001. (Abstract).
- Powell, L. A., J. Hass, L. Scott, A. Garner, and J. Streit. 2001. Using telemetry and DNA analyses to determine natal dispersal rates of wood thrushes. Midwest Fish and Wildlife Conference (63rd), Des Moines, IA, 10-12 December 2001. (Abstract).
- '00 Powell, L. A., M. J. Conroy, G. D. Balkcom, J. N. Caudell, and N. Canier. 2000. One, two, three, fore! Using a survey of golf courses to monitor Canada Geese in Georgia. American Ornithologists Union Annual Meeting, Newfoundland, 15-19 August 2000. (Abstract).
- Powell, L. A., L. Washburn, I. M. Barry, and D. J. Calvert. 2000. Dispersal, survival, and habitat use of juvenile peregrine falcons during a restoration project. American Ornithologists Union Annual Meeting, Newfoundland, 15-19 August 2000. (Abstract).
- Powell, L. A., L. Washburn, I. M. Barry, and D. J. Calvert. 2000. Dispersal, survival, and habitat use of juvenile peregrine falcons during a restoration project in Dubuque, Iowa. Midwest Fish and Wildlife Conference (62nd), Minneapolis, MN, 3-6 December 2000. (Abstract).
- '99 Powell, L. A., M. J. Conroy, J. E. Hines, J. D. Nichols, and D. G. Krentz. 1999. Simultaneous use of mark-recapture and radio telemetry to estimate survival, movement, and capture rates. Association of Field Ornithologists Annual Meeting, Ottumwa, Iowa, 10-12 September 1999. (Abstract).
- '98 Powell, L. A., M. J. Conroy, D. G. Krentz, and J. D. Lang. 1998. Sex-specific survival and age-specific movements: guiding development of a spatially-based population model of a neotropical migrant songbird. North American Ornithological Conference, St. Louis, Missouri, 8-11 April 1998. (Abstract).
- '97 Powell, L. A. 1997. Tinkertoy complexity: a progression of modeling sophistication to address forest management concerns for neotropical migrant songbirds. Third Annual Institute of Ecology Graduate Student Research Symposium, Univ. of Georgia, Athens, Georgia, 17-18 January 1997. (Abstract).
- Powell, L. A., M. J. Conroy, D. G. Krentz. 1997. Using a progression of models to describe the effects of forest management at the Piedmont National Wildlife Refuge on the population dynamics of wood thrushes. Warnell School of Forest Resources Graduate Student Symposium, Univ. of Georgia, Athens, Georgia, 12 April 1997. (Abstract).
- Powell, L. A., M. J. Conroy, D. G. Krentz, and J. D. Lang. 1997. Hierarchical modeling of forest management effects on neotropical migrant songbirds. Annual Meeting of the Ecological Society of America, Albuquerque, New Mexico, 10-15 August 1997. (Abstract).
- '96 Powell, L.A. 1996. Effects of forest management on survival and movements of wood thrushes: first post-treatment season results. Second Annual Institute of Ecology Graduate Student Research Symposium, Univ. of Georgia, Athens, Georgia, 12-13 January 1996. (Abstract).
- '95 Lang, J. D., L.A. Powell, D. G. Krentz, and M. J. Conroy. 1995. Effects of forest management on Wood Thrush movement, habitat use after nesting, and fledgling dispersal. 113th Annual Meeting, American Ornithologists Union, Cincinnati, Ohio. 15-19 August 1995. (Abstract).
- Powell, L.A., J.D. Lang, M.J. Conroy, and D.G. Krentz. 1995. Effects of forest management on population parameters and habitat use of wood thrushes. 80th Annual Meet., Ecol. Soc. Americ., Snowbird, Utah. 30 July-3 August 1995. (Abstract).
- Powell, L.A., J.D. Lang, M.J. Conroy, and D.G. Krentz. 1995. Effects of forest management on survival and movements of wood thrushes. 2nd Annual Meet., The Wildlife Soc., Portland, Oreg. 12-17 Sept. 1995.

(Abstract).

- '94 Powell, L.A. and J.D. Lang. 1994. Effects of forest management on population parameters and habitat use of wood thrushes. First Annual Institute of Ecology Graduate Student Research Symposium, Univ. of Georgia, Athens, Georgia, 16-17 September 1994. (Abstract).
- '93 Powell, L. A., W. R. Clark, and E. E. Klaas. 1993. Using post-release stratification to detect heterogeneity in survival of mallards. Mississippi River Research Consortium, 15 March, 1993. (Abstract).
- '92 Powell, L. A., W. R. Clark, and E. E. Klaas. 1992. Using post-release stratification to detect heterogeneity in survival of mallards. 53rd Annual Midwestern Fish and Wildlife Research Conference, Toronto, Canada, 3-8 December, 1992. (Abstract).

## PRESENTATIONS/PUBLISHED TEACHING ABSTRACTS

- '12 Powell, L. A., and L. Corral. 2012. The Crane Game: Introducing structured decision-making to undergraduate students. Conference on University Education in Natural Resources, Fort Collins, CO, March 20, 2012. (Abstract).
- '11 Powell, L. A., and L. Corral. 2011. The Crane Game: Introducing structured decision-making to undergraduate students. Adaptive management conference, USGS. Auburn University, Auburn, AL. 24 August, 2011. (Abstract).
- '09 Powell, L. A. 2009. Problem-based learning: providing support to students as they work to solve problems. Center for Teaching and Learning, Polytechnic of Namibia (Invited presentation).
- Powell, L. A. 2009. Introduction to problem-based learning. Center for Teaching and Learning: Polytechnic of Namibia. Windhoek, Namibia (Invited presentation).
- '06 Fritz, S., D. Husmann, D. Reese, R. Stowell, and L. Powell. 2006. High school students' perceptions of a College of Agricultural Sciences and Natural Resources. National Association of College Teachers of Agriculture annual meeting. (Abstract).
- '05 Mamo, M., P. Hain, T. Kettler, J. Ippollito, W. Zanner, R. Reuter, L. Powell, D. McCallister, C. Geiss, and D. Husmann. 2005. A multidisciplinary approach to applying soil science principles in the classroom. American Society of Agronomy annual meeting, Salt Lake City, UT, 6-10 November, 2005. (Abstract).
- '04 Powell, L. A. 2004. Course assessment in problem-based learning courses using formative, qualitative measures. Fifth Biennial Conference on University Education in Natural Resources, Flagstaff, AZ, 14-17 March, 2004. (Facilitated Discussion: Abstract).

## PRESENT POSITION DESCRIPTIONS

**Professor; Animal Ecologist/Conservation Biologist**, Dr. John Carroll (Director), School of Natural Resources, University of Nebraska-Lincoln; 2010-present.

- Tenure-track, 12-month faculty position: 50% teaching/50% research (*FTE was 60/40 from 2001-2016*).
- Mission Area Leader, Applied Ecology Mission Area (~10% FTE)
- Hired as Assistant Professor: July 2001. Tenured/promoted: July 1, 2005. Fully promoted: July 1, 2010. Graduate Faculty Member, effective 25 October 2001.
- Teach courses in wildlife ecology and management, parameter estimation, and conservation biology.
- Conduct graduate research, with emphasis on conservation and management issues, and wildlife population dynamics.

**Director, Great Plains Cooperative Ecosystem Studies Unit**; School of Natural Resources, University of Nebraska-Lincoln; 2011-present (~10% FTE).

- Coordinate communication with the host institution (UNL), partner institution, federal agencies, and the national CESU office.
- Maintain web site and post requests for Letters of Interest and RFPs.
- Recruit new partner institutions and federal agencies; Supervise supporting staff.

## PREVIOUS POSITION DESCRIPTIONS

**Interim Associate Director, School of Natural Resources**, Dr. Tala Awada (Interim Director), School of Natural Resources, University of Nebraska-Lincoln; 2012-present (0.50 FTE)

during Aug. 2012-March 2013).

- Provide oversight of the Student Services Area in SNR and supervise 4 associated staff. Provide leadership for undergraduate and graduate education and assessment in SNR.
- Assist the Director with leadership, vision, unit planning, and administrative oversight for SNR. Mentor junior faculty.

**Interim Associate Dean**, Agricultural Research Division, Dr. Archie Clutter (Dean); 2011-present (0.50 FTE during Sept. 2011-June 2012).

- Facilitate team-building and large grant development within ARD.
- Support IANR 2025 initiatives and action items.

**Assistant Professor; Vertebrate Ecologist**, Dr. Robert Miller (Chair, retired), Department of Biology, University of Dubuque, Dubuque, Iowa; 9/1998-8/2001.

- Tenure-track faculty position.
- Teach ecology, GIS applications, ornithology, wildlife management, zoology, and comparative vertebrate anatomy courses with field or computer laboratories.
- Conduct undergraduate research, with emphasis on terrestrial vertebrate ecology, demography, and population dynamics.

**Postdoctoral Research Assistant**, Dr. Michael Conroy (supervisor), USGS Coop Unit, School of Forest Resources, University of Georgia, Athens, Georgia; 1/1998-8/1998.

- Georgia resident Canada Goose survival/movement analysis.
- Spatial model development; yearly population survey design for Georgia DNR.
- Implementation of adaptive management program.

**Graduate Research Assistant**, Dr. Michael Conroy (advisor), Dr. David Kremetz (co-advisor), USGS Coop Unit, School of Forest Resources, University of Georgia, Athens, Georgia; 8/1993-12/1997.

- Neotropical migrant songbird field research, data analysis, GIS database creation, and simulation modeling. Field work: radio telemetry, mist netting/banding, nest searching/monitoring, transect surveys, GPS use, and vegetation measurements at the Piedmont National Wildlife Refuge (Mr. Ronnie Shell, manager).
- Basic Aircraft Safety training and 35 hours of aerial telemetry.
- Hired and supervised (April-August) field crews of 6-8 persons/year.
- Georgia resident Canada Goose survival/movement analysis.
- Maintenance of computer hardware and software, Federal vehicles.

**Instructor**, Dr. John Dittmer (Chair), Department of Biology, Brenau University, Gainesville, Georgia; summer sessions 1997-1998 (part time).

- Designed and implemented Wildlife Management course.

**GIS Technician**, Dr. Liz Kramer (supervisor), Institute of Ecology, University of Georgia; 3/1997-12/1997 (part time).

- Watershed research using UNIX-based ARC/INFO system.

**Teaching Assistant**, Drs. Michael Conroy, James Porter, and Gary Barrett (retired), Institute of Ecology, University of Georgia; 1995-96.

- Instructed discussion, computer, and field labs.
- Maintained computer and audio/visual equipment in lecture hall.

**Instructor**, Dr. James Dinsmore (retired), Dept. of Animal Ecology, Iowa State University, Ames, Iowa; 1993.

- Taught ornithology lab, maintained laboratory, and catalogued specimens.

**Conference Coordinator**, Ms. Wendy Brock (retired), Iowa Youth and 4-H State Office, Iowa State University, Ames, Iowa 3/1993-8/1993.



- Planned activities and logistics for 4-H youth conference, 1500 attendees.
- Graduate Research Assistant**, Dr. William Clark (Advisor), Dept. of Animal Ecology, ISU, Ames, Iowa; 1/1992-12/1992.
  - Analyzed waterfowl banding and recovery data; .
  - Banded waterfowl in Canada with US and Canadian FWS.
  - Maintained computer equipment and presented computer ed. workshops.
- Graduate Teaching Assistant**, Drs. James Dinsmore (retired) and William Clark, Dept. of Animal Ecology, ISU, Ames, Iowa; 6/1990-12/1991.
  - Taught lectures and labs, prepared and graded homework and exams.
- Student Laboratory Assistant**, Dr. Nicholas Hartwig (retired), Dept. of Science and Mathematics, Graceland College, Lamoni, Iowa; 1988-90.
  - Prepared lab exams and assisted in Zoology Laboratory.
  - Catalogued slide collection, maintained laboratories and green house.
- Wildlife Conservation Aide**, Mr. Jack Coffee (deceased), Iowa Dept. of Natural Resources, Rathbun Wildlife Unit, Russell, Iowa; 5/1989-8/1989.
  - Assisted with Canada Geese banding, conducted wildlife surveys.
  - Planted food plots, assisted with wetland and lake management.
- Editor**, Graceland TOWER newspaper, Dr. Jon Wallace (retired), Graceland College; 1988.
  - Maintained staff of ten student journalists.
  - Wrote news, features and editorials; photography; typeset; laid-out copy.
  - Wrote proposal that obtained new computer, Laser Printer and software.
- Nature Staff**, Iowa 4-H Camping Center, Dr. Jim Pease (mentor), Iowa State University; Summers, 1987-88.
  - Planned and directed camping programs for ages 8-adult.
  - Taught rappelling, teams course, archery, backpacking, and canoeing.
  - Trained as trip leader to Boundary Waters Canoe Area Wilderness.

## **COURSES TAUGHT AS PROFESSOR**

- *University of Nebraska:*
  - NRES 101 Natural Resources Orientation (Fall)
  - NRES 233 Wildlife Field Techniques (Fall)
  - NRES 311 Wildlife Ecology and Management (Spring)
  - NRES 433/833 Wildlife Management Techniques (Fall)
  - NRES 880 Vertebrate Population Analysis (Spring of even years)
  - NRES 492 Natural Resources Study Tour
    - Namibia: Southern Africa Ecology (*team-taught*; 2011, 2013, 2015, 2017)
    - Boundary Waters Wilderness Ecology (*team-taught*; last offered in 2007)
    - Puerto Rico Tropical Ecology (*team-taught*, last offered in 2008)
  - NRES 404 Senior Seminar (every 3 years; last offered in 2010)
  - NRES 862 Conservation Biology (last offered in 2002)
  - NRES 312 Introduction to Geospatial Information Sciences (last offered in 2007)
- *Polytechnic of Namibia (during 2009 professional development leave):*
  - Natural Resource Management (3<sup>rd</sup>-year students)
  - Research Methodology (4<sup>th</sup>-year students)
  - Ecology II (1<sup>st</sup>-year students)
- *University of Dubuque:*

Full courses:

General Ecology, Ornithology, Fisheries/Wildlife Management and Conservation (*team-taught*), General Zoology, Biological Science, Comparative Vertebrate Anatomy & Embryology, GIS Applications (*team-taught*), Introduction to Environmental Research (*team-taught*), Ecology of the Mississippi (*team-taught*)

Seminars/Field Trip Courses:

Boundary Waters Wilderness Ecology (*team-taught*), Evolution of Human Reproductive Behavior, Applied Energy Conservation, GIS Applications, Freshman Seminar

**COURSES TAUGHT AS INSTRUCTOR**

- *Brenau University*: Wildlife Management
- *Iowa State University*: Ornithology

**COURSES TAUGHT AS TEACHING ASSISTANT**

- *Iowa State University*:  
Ornithology, Bird Study, Ecology, Vertebrate Biology, Wildlife Management
- *University of Georgia*:  
Ecological Basis of Environmental Issues, Estimation of Population Parameters  
(graduate-level)

**PROFESSIONAL SERVICE**

**College/University**

- Board of Governors, Center for Great Plains Studies, 2014-2017, 2017-2020.
- College of Arts and Sciences' Chairs and Directors Group, 2012-2013.
- Peer-Review of Teaching program facilitator, UNL, 2011-2012.
- Institute of Agriculture/Natural Resources: Liaison Committee, 2010-2011.
- UNL Graduate Studies: Graduate Teaching Assistant Award Selection Committee, 2008.
- Peer-Review of Teaching program participant, UNL, 2007-2008.
- Recruitment and Retention Committee, College of Ag Sciences and Natural Resources, UNL, 2004-2008.
- Dean's Faculty Advisory Committee, College of Ag Sciences and Natural Resources, UNL, 2003-2006.
- Peer-Review of Teaching program participant, UNL, 2003-2004.
- University of Dubuque CORE Curriculum Development Committee, 1999-2001.
- University of Dubuque Title III Grant Cell Team Member, 1999-2000.
- Chair, Goldthorp Hall Renovation Faculty Committee, University of Dubuque, 1998-01.
- Pre-med Task Force, University of Dubuque, 1998.

**School/Department**

- Chair, Social Committee, School of Natural Resources, 2013-2016.
- Coordinator, Applied Ecology Faculty Group, School of Natural Resources, 2005-2008, 2013-present.
- Fisheries and Wildlife major curriculum committee, School of Natural Resources, 2001-present.
- Chair, Faculty Advisory Committee, School of Natural Resources, 2013-2016.
- Ex-officio (as Assoc. Director) member of Staff Professional Development Committee, Faculty Advisory Committee, and Graduate Committee, 2012-2013.
- Co-chair, SNR Director Search Advisory Committee, 2011-2013.
- Coordinator, Fisheries and Wildlife major (UNL), 2004-2011.
- Representative, Natural Resources Undergraduate Curriculum Committee, School of Natural Resources, UNL, 2004-2011.

- Promotion and Tenure Committee, School of Natural Resources, 2005-2008.
- *Ad hoc* Communications Committee, School of Natural Resources, UNL, 2003.
- Environmental Science Curriculum Development Committee, Univ. Dubuque, 1999-2001.
- Chair, coordinating committee, 1997 Graduate Student Research Symposium, Institute of Ecology, University of Georgia (2 days, 48 presentations).
- Seminar series coordinator, Department of Animal Ecology, Iowa State University, 1992.

### **Community**

- Board of Directors, Grassland Foundation, Lincoln, NE, 2011-present.
- Board of Directors, Catfish Creek Coalition, Dubuque, Iowa. 1998-2000.

### **Profession**

- Past Chair, College and University Education Working Group, The Wildlife Society, 2016-2018 (Chair-Elect: 2012-2014; Chair: 2014-2016).
- Instructor, Conservation Leaders for Tomorrow (2008-2012).
- Central States (US) Board Representative, College and University Education Working Group, The Wildlife Society (2011-2013).
- At-Large Board Member, Nebraska Chapter of The Wildlife Society (2009-2011).
- Vice-President, Midwest Fish and Wildlife Conference Board of Directors, Nebraska (2008-present).
- Student Chapter Co-Advisor, The Wildlife Society (UNL Student Chapter; Wildlife Club; 2001-present).
- The Wildlife Society: Biometrics Working Group, At-large Board Member (2007-2008)
- Reviewed books for Iowa State University Press, John Hopkins Press.
- Reviewed manuscripts for Proceedings of the Royal Society of London–Series B (Biological Sciences), Conservation Biology, Journal of Wildlife Management, Wildlife Society Bulletin, Ecology, Auk, Applied Ecology, Condor, Wilson Bulletin, Journal of Environmental Management, North American Bird Bander, Iowa Academy of Sciences, Journal of Great Plains Research, Ecological Monographs, The Prairie Naturalist, Agricola (Namibia), Avian Conservation and Ecology (1998-present).
- Associate Editor for Forest Science (*Society of American Foresters*), 2004-2007.
- Co-chair, Science Advisory Workgroup, Nebraska Partnership for All-Bird Conservation, 2002-present.
- Steering Committee, 2006 Midwest Fish and Wildlife Conference (Omaha), 2003-2006.

### **PROFESSIONAL MEMBERSHIPS**

- The Wildlife Society (national and Nebraska chapters)
- Cooper's Ornithological Society
- Wilson's Ornithological Society
- University Educators in Natural Resources

### **FAMILY**

- Married, Kelly Dawn Johnson Powell (M.S. animal ecology, ISU, 1993).
- 1 son, Tristan Richard Powell, born October 1997.

### **HOBBIES**

- Music (piano, pipe organ, trombone, vocal), beekeeping, photography, canoeing, camping, coaching, hunting, fishing, poetry.

### **PERSONAL INFORMATION**

- Country of Citizenship: USA. Veteran: No. Highest Federal Grade: None.
- GRE Scores: Quantitative (650), Verbal (570), Analytical (700)

## **SPECIAL TRAINING**

- ArcGIS Training, CALMIT, University of Nebraska-Lincoln. 2003.
- Large-passenger van safety examination. University of Nebraska-Lincoln. 2003-present.
- Institutional Animal Care and Use Committee, certified project leader, University of Nebraska-Lincoln. 2002-present.
- Basic Aircraft Safety Training. 1994, 1995, 1998. Office of Aircraft Management, Department of the Interior, Atlanta, GA.
- ArcView Training, Version 3.1. 1999. US Geological Survey. LaCrosse, WI.