

## **STEPHEN J. DINSMORE**

Associate Professor

Department of Natural Resource Ecology and Management

339 Science II, Iowa State University

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### **EDUCATION**

Ph.D., Fishery and Wildlife Biology, Colorado State University (2001)

Dissertation title: "Population biology of Mountain Plovers in southern Phillips County, Montana."

M.S., Zoology (Minor in Statistics), North Carolina State University (1994)

Thesis title: "Seasonal numbers, distribution, and population dynamics of shorebirds on the Outer Banks of North Carolina."

B.S., Fisheries and Wildlife Biology, Iowa State University (1990)

### **RESEARCH INTERESTS**

My research is broadly centered on the intersection of avian ecology and population biology and often emphasizes applied questions that are related to specific management issues. This work is important to local, state, and federal natural resource management agencies because it addresses contemporary ecological problems, provides science-based solutions to these problems, and contributes to other natural resource disciplines through methodological advances.

### **PROFESSIONAL EMPLOYMENT**

**Associate Professor**, 2008–present

Department of Natural Resource Ecology and Management, Iowa State University

Supervisor: Dr. Sue Blodgett (previously Dr. Dave M. Engle, Dr. Richard B. Hall, and Dr. Steve Jungst)

Duties: Appointment is 35% teaching, 55% research, and 10% institutional service. I conduct research in avian population ecology and wildlife ecology, teach undergraduate and graduate courses in the Animal Ecology major, and provide Service to the University, Department, and Profession.

**Assistant Professor**, 2005–2008

Department of Natural Resource Ecology and Management, Iowa State University

Supervisors: Drs. Joel Coates, Steven Jungst, Richard Hall, and David Engle

Duties: Appointment was 45% teaching, 45% research, and 10% institutional service. I conducted research in avian population ecology and wildlife ecology, taught undergraduate and graduate courses in the Animal Ecology major, and provided Service to the University, Department, and Profession.

**Assistant Professor, 2001–2005**

Department of Wildlife and Fisheries, Mississippi State University, Starkville, MS

Supervisor: Dr. Bruce D. Leopold

Duties: Position was 60% research, 35% teaching, and 5% extension. I conducted research in avian population ecology, taught undergraduate and graduate courses in the Wildlife Science major, provided Service to the University, Department, and Profession, and helped with Extension activities for wildlife.

**Graduate Research Assistant, 1997–2001**

Department of Fishery and Wildlife Biology, Colorado State University

Supervisor: Dr. Gary C. White

Duties: Designed and supervised a research project on the population ecology of the Mountain Plover in Montana and served as a Teaching Assistant for courses in ornithology and population analysis.

**Graduate Research Assistant, 1991–1994**

Department of Zoology, North Carolina State University

Supervisor: Dr. Jaime A. Collazo

Duties: Conducted research on the dynamics and use patterns of migratory shorebirds using the North Carolina Outer Banks and served as a teaching assistant for courses in ornithology and wildlife ecology.

Prior to 1991 I held a variety of temporary positions with federal, state, and private organizations.

## TEACHING

### University courses – Undergraduate

#### *Iowa State University*

- Ecological Methods (A Ecl/Biol 371, fall semester, 3 credits; role is 100%). This course emphasizes integrating ecological ideas and observed data with project design and implementation and is aimed at understanding the formulation of quantitative relationships from observations and developing analytical and presentation skills used to communicate results (2007–present).
- Ornithology (A Ecl/Biol 458/558, spring semester, 3 credits; role is 100%). This course emphasizes the biology, evolution, ecology and taxonomy of birds. Laboratory exercises complement lecture topics and emphasize identification and distribution of Midwest birds (2007–present).
- Wind Energy and Wildlife (NREM 305, spring 2013, 1 credit; role was 75%). This was an undergraduate seminar co-taught with one of my graduate students to introduce students to emerging issues between wildlife and on-going development of wind energy projects in Iowa and elsewhere.
- Natural History of Costa Rica (NREM 496/596; co-instructor with Dr. James L. Pease, alternate spring semesters, 3 credits; role is 60%). This course provides a broad overview of tropical ecology with an emphasis on major life zones and their associated flora and fauna. The course includes a trip to Costa Rica during Spring Break (2006–present).

- Lab coordinator for Vertebrate Biology (A Ecl/Biol 365, fall semester, 1 credit; role was 50%). The course provides students with a broad survey of vertebrate evolution, diversity, morphology and ecology. I taught 1 lab per week and supervised 3 TAs that taught the remaining 6 lab sections (2005–2006).

*Mississippi State University*

- Wildlife and Fisheries Practices (WF 4473; spring semester 2002–2004, 3 credits; role was 100%). This is the capstone undergraduate course and I substantially revised the way it was taught during my tenure. I used a combination of new material, guest lectures, and discussion sessions to bring together students undergraduate education and prepare them for a career in the profession.
- Wildlife and Fisheries Biometrics (WF 4121/4122; fall semester 2002 & 2004, 3 credits; role was 100%). This was a new course I developed to introduce our undergraduate students to statistical tools useful in the wildlife and fisheries profession. I provided students with a broad overview of basic statistical methods and allowed them to apply the tools to real biological data.

**University courses – Graduate**

*Iowa State University*

- Avian Ecology (A Ecl 516; alternate spring semesters, 3 credits; role is 100%). This seminar style course introduces students to contemporary issues in avian ecology through reading material from the peer-reviewed literature. [2006–present]

*Mississippi State University*

- Applied Wildlife Population Ecology (WF 8153; spring semester 2003, 3 credits; role was 100%) at Mississippi State University. This was a new course I developed to introduce graduate students to wildlife population analysis tools. I provided students with a broad overview of population modeling and contemporary sampling/estimation methods, and hands-on experience in applying these tools to real biological data.
- Scientific Literature and Communication in Natural Resources (WF 8113; spring 2004, 3 credits; role was 50%). I co-taught this course, which emphasized a wide range of topics in natural resource communication including manuscript preparation and review, preparing a professional poster, and preparing and delivering a professional presentation.

**University teaching – Other**

- Guest lectures at Iowa State University for NREM 110 (Natural Resource Orientation) and EEOB 611 (Population Ecology).
- Teaching Assistant for an undergraduate course in ornithology (BZ 335; spring 2001; role was 50%) at Colorado State University. Prepared weekly lectures, assisted with lab setup, and prepared and graded exams and other assignments.
- Teaching Assistant for a graduate course dealing with the sampling and analysis of wildlife data (FW 663; spring 2000; role was 10%) at Colorado State University. Assisted with course lectures and labs, organized weekly study sessions, and prepared and graded exams.
- Teaching Assistant for undergraduate courses in ornithology and natural resources advocacy (ZO 6434; spring 1994; role was 25%) at North Carolina State University. Gave several lectures, assisted with lab setup, and assisted with student evaluations.

## Workshops

- Instructor for a workshop on the use of Program MARK to graduate students and faculty at Clemson University, 27-28 October 2011 (role was 100%).
- Instructor for a workshop on the use of Program MARK to graduate students and faculty at the University of Missouri-Columbia, 12-13 October 2006 (role was 100%).
- Co-instructor for a nest survival modeling workshop, sponsored by the Biometrics Working Group, at the 2006 annual meeting of The Wildlife Society, Anchorage, AK, 23 September 2006 (role was 50%).
- Guest lecture on modeling avian nest survival in Program MARK. Graduate population biology class at New Mexico State University, 9 March 2004.
- Instructor for the analysis of demographic data on Northern Spotted Owls, Oregon State University (January 2004). Assisted teams of researchers with the analysis and interpretation of field data (role was 10%).
- Instructor for workshops on the use of Program MARK, Colorado State University (June 2002, 2004, 2005, 2006, 2007, 2008, and 2009). Interacted with professionals and graduate students on various capture-recapture topics, assisted with lab exercises, and assisted with the analysis of real data collected by participants.
- Instructor for a workshop on the use of Program MARK, Humboldt State University (January 2001). Lectured professionals and graduate students on various capture-recapture topics, assisted with lab exercises, and assisted with the analysis of real data collected by participants (role was 20%).
- Instructor for the analysis of demographic data on Northern Spotted Owls, Oregon State University (December 1999). Assisted teams of researchers with the analysis and interpretation of field data (role was 10%).

## STUDENT MENTORING

### Undergraduate Students

#### *Dean's Leadership Scholars (3)*

- 1) Maggie Daves (2013–2014)
- 2) Kristen Alverson (2012–2013)
- 3) Caitlynn Cox (2010–2011)

#### *Independent Study (NREM 490) (3)*

- 1) Todd Buckley (2008)
- 2) Sarah Scheel (2007)
- 3) Keenan Zeltinger (2007)

#### *Science With Practice (2)*

- 1) Matthew Garrick (2013)
- 2) Emily Gamm (2011)

#### *Honor's Project mentor (5)*

- 1) Kristen Alverson (2013)
- 2) Kate Hunter (2013)
- 3) Sarah Van Tol (2012)
- 4) Mica Rumbach (2011)
- 5) Josh Obrecht (2006)

*Academic advising*

I maintain an undergraduate advising load of 10-20 students per semester, including all Honors Program students in the Animal Ecology major.

*Student employment*

My research projects often involve hiring undergraduate students and recent graduates in paid temporary positions (up to 7 months in length). I seek to employ ISU students when possible, but in reality more than half of these jobs are filled by non-ISU students. This has typically averaged 5-10 positions per year, although with the Multiple Species Inventory and Monitoring (MSIM) project I have hired 35-40 positions in each of the last 2 years.

**Graduate Students**

*Academic Advisor (15)*

Iowa State University (11)

- 1) Shane S. Patterson (M.S., Wildlife Ecology, current). Thesis title: Species and community responses to habitat and landscape features on Iowa's public lands.
- 2) William Reiter-Marolf (M.S., Wildlife Ecology, current; co-advised with Dr. Julie A. Blanchong at Iowa State University). Thesis title: Lead exposure in wintering and nesting Bald Eagles (*Haliaeetus leucocephalus*) in Iowa.
- 3) Kevin T. Murphy (M.S., Wildlife Ecology, 2013). Thesis title: Waterbird use of dynamic sheetwater wetlands in Iowa's Prairie Pothole Region.
- 4) Paul D. B. Skrade (Ph.D., Ecology and Evolutionary Biology, 2013). Dissertation title: Reproductive decisions of Mountain Plovers in southern Phillips County, Montana.
- 5) Molly K. Gillespie (M.S., Wildlife Ecology, 2013). Thesis title: Bird and bat responses to wind energy development in Iowa.
- 6) Maria C. Dzul (M.S., Wildlife Ecology, 2011; co-advised with Dr. Michael C. Quist at Iowa State University). Thesis title: Population ecology and monitoring of the endangered Devils Hole Pupfish.
- 7) Tyler M. Harms (M.S., Wildlife Ecology, 2011). Thesis title: Population ecology and monitoring of secretive marsh-birds in Iowa.
- 8) Amber N. Wiewel (M.S., Wildlife Ecology, 2011). Thesis title: Breeding-season biology of the Puerto Rican Bullfinch (*Loxigilla portoricensis*).
- 9) Cory J. Gregory (M.S., Wildlife Ecology, 2011; co-advised with Dr. Larkin A. Powell at the University of Nebraska-Lincoln). Thesis title: Reproductive ecology of the Long-billed Curlew (*Numenius americanus*) in western Nebraska.
- 10) Ross R. Conover (Ph.D., Wildlife Ecology, 2009; co-advised with Dr. L. Wes Burger at Mississippi State University). Dissertation title: Grassland bird associations in a managed agricultural matrix.
- 11) Paul D. B. Skrade (M.S., Wildlife Ecology, 2008). Thesis title: Incubation behavior and dispersal patterns in the Mountain Plover (*Charadrius montanus*).

Mississippi State University (4)

- 12) Aaron T. Pearse (Ph.D., Forest Resources, 2007; co-advised with Dr. Richard A. Kaminski at Mississippi State University). Dissertation title: Design, evaluation, and applications of an aerial survey to estimate abundance of wintering waterfowl in Mississippi.

- 13) Brad D. Holder (M.S., Wildlife and Fisheries Science, 2006). Thesis title: Survival, habitat use, and nest-site characteristics of Wild Turkeys in central Mississippi.
- 14) Theresa M. Childers (M.S., Wildlife and Fisheries Science, 2006). Thesis title: Mountain Plover abundance and nest survival in northeastern Montana.
- 15) Sharyn L. Hood (M.S., Wildlife and Fisheries Science, 2006). Thesis title: Nesting ecology of Snowy and Wilson's Plovers in the Lower Laguna Madre region of Texas.

*Member of Program of Study (POS) Committee (13)*

- 1) Esther Balla (M.S., Wildlife Ecology, expected 2015, University of South Dakota)
- 2) Tyler Grant (Ph.D., EEB, expected 2014)
- 3) Michael Shultz (Ph.D., EEB, expected 2013)
- 4) Mark McKelvey (Ph.D., Statistics, expected 2013)
- 5) Chelsea Berns (Ph.D., EEB, 2013)
- 6) Jen Vogel (Ph.D., EEB, 2011)
- 7) Edye Kornegay (M.S., Biology, 2011, North Carolina State University)
- 8) Natalie Randall (M.S., Wildlife Ecology, 2011)
- 9) Abel Robles (M.S., Wildlife Ecology, 2010)
- 10) Brad Heller (M.S., EEB, 2010)
- 11) Becky Parsons (M.S., EEB, 2009)
- 12) David Miller (Ph.D., EEB, 2009)
- 13) Ryan Marquardt (M.S., Sustainable Agriculture, 2008)

**Other university employees**

*Research Associates (2)*

- 1) Tyler M. Harms (Multiple Species Inventory and Monitoring project, 2012–present)
- 2) Ashley M. Casey (Mountain Plover project, 2009–2010)

**Peer-refereed articles (59)**

†Indicates co-authorship with one of my students (21)

- 1) †Wiewel, A. N. M., **S. J. Dinsmore**, and J. A. Collazo. Nest survival and breeding biology of the Puerto Rican Bullfinch (*Loxigilla portoricensis*) in southwestern Puerto Rico. *The Wilson Journal of Ornithology*, in press.
- 2) Colwell, M. A., W. J. Pearson, L. Eberhart-Phillips, and **S. J. Dinsmore**. 2013. Apparent survival of Snowy Plovers varies with reproductive effort, year, and between sexes. *Auk* in press.
- 3) †Dzul, M.C., M. C. Quist, **S. J. Dinsmore**, and D. B. Gaines. 2013. Coarse-scale movement patterns of a small-bodied fish inhabiting a desert stream environment. *Journal of Freshwater Ecology* 28:27-38.
- 4) Collazo, J. A., P. Fackler, K. Pacifici, T. White, I. Llerandi-Roman, and **S. J. Dinsmore**. 2013. Optimal allocation of captive-reared Puerto Rican Parrots: decisions when divergent dynamics characterize managed populations. *Journal of Wildlife Management* 77:1124-1134.

- 5) †Dzul, M. C., **S. J. Dinsmore**, M. C. Quist, D. B. Gaines, K. P. Wilson, M. R. Bower, and P. M. Dixon. 2013. Developing a simulation model of the Devils Hole Pupfish population using monthly length frequency distributions. *Population Ecology* 55:325-341.
- 6) †Skrade, P. D. B., and **S. J. Dinsmore**. 2013. Egg size investment in a rapid multi-clutch parental care system. *Condor* 115:508-514.
- 7) †Dzul, M. C., P. M. Dixon, M. C. Quist, **S. J. Dinsmore**, M. R. Bower, K. P. Wilson, and D. B. Gaines. 2013. Using variance components to estimate power in a hierarchical sampling design: improving monitoring of larval Devils Hole pupfish. *Environmental Monitoring and Assessment* 185:405-414.
- 8) †Harms, T. M., and **S. J. Dinsmore**. 2013. Habitat associations of secretive marsh-birds in Iowa. *Wetlands* 33:561-571.
- 9) **Dinsmore, S. J.** 2013. Mountain Plover responses to deltamethrin treatments on prairie dog colonies in Montana. *Ecotoxicology* 22:415-424.
- 10) †Dzul, M. C., D. B. Gaines, J. R. Fischer, M. C. Quist, and **S. J. Dinsmore**. 2012. Evaluation of Salt Creek Pupfish otoliths for use in age and growth analyses. *Southwestern Naturalist* 57:412-416.
- 11) †Harms, T. M., R. D. Rasmussen, K. E. Kinkead, C. L. Bergthold, P. Frese, and **S. J. Dinsmore**. 2012. New additions to Iowa Odonata. *Argia* 24:30-31.
- 12) †Pearse, A. T., R. M. Kaminski, K. J. Reinecke, and **S. J. Dinsmore**. 2012. Local and landscape associations between wintering dabbling ducks and wetland complexes in Mississippi. *Wetlands* 32:859-869.
- 13) †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* 83:122-129.
- 14) †Harms, T. M., and **S. J. Dinsmore**. 2012. Density and abundance of secretive marsh-birds in Iowa. *Waterbirds* 35:208-216.
- 15) †Skrade, P. D. B., and **S. J. Dinsmore**. 2012. Incubation patterns of a shorebird with rapid multiple clutches, the Mountain Plover (*Charadrius montanus*). *Canadian Journal of Zoology* 90:257-266.
- 16) †Dzul, M.C., M. C. Quist, **S. J. Dinsmore**, P. M. Dixon, M. R. Bower, K. P. Wilson, and D. B. Gaines. 2012. Identifying sources of error in surveys of Devils Hole pupfish (*Cyprinodon diabolis*). *Southwestern Naturalist* 57:44-50.
- 17) Hovick, T. J., J. R. Miller, **S. J. Dinsmore**, D. M. Engle, D. M. Debinski, and S. D. Fuhlendorf. 2012. Effects of fire and grazing on Grasshopper Sparrow nest survival in a fragmented landscape. *Journal of Wildlife Management* 76:19-27.
- 18) †Gregory, C. J., **S. J. Dinsmore**, L. A. Powell, and J. G. Jorgensen. 2011. Nest survival of Long-billed Curlew in Nebraska. *Wader Study Group Bulletin* 118:109-113.
- 19) †**Dinsmore, S. J.**, and T. M. Harms. 2011. First record of a Comb Duck (*Sarkidiornis melanotos sylvicola*) for Costa Rica. *North American Birds* 65:362-363.
- 20) †Conover, R. R., **S. J. Dinsmore**, and L. W. Burger, Jr. 2011. Effects of conservation practices on bird nest density and survival in intensive agriculture. *Agriculture, Ecosystems, and the Environment* 141:126-132.
- 21) †Bower, M. R., D. B. Gaines, K. P. Wilson, M. C. Dzul, M. C. Quist, and **S. J. Dinsmore**. 2011. Accuracy and precision of visual estimates and

- photogrammetric measurements of the length of a small-bodied fish. *North American Journal of Fish Management* 31:138-143.
- 22) Colwell, M. A., J. J. Meyer, M. A. Hardy, S. McAllister, A. Transou, R. LeValley, and **S. J. Dinsmore**. 2011. Western Snowy Plovers *Charadrius alexandrinus nivosus* select nesting substrates that enhance egg crypsis and improve nest survival. *Ibis* 153:303-311.
- 23) Mullin, S. M., M. A. Colwell, S. A. McAllister, and **S. J. Dinsmore**. 2010. Apparent survival and population growth of Snowy Plovers in coastal northern California. *Journal of Wildlife Management* 74:1792-1798.
- 24) †Skrade, P. D. B., and **S. J. Dinsmore**. 2010. Dispersal patterns in the Mountain Plover (*Charadrius montanus*). *Auk* 127:671-677.
- 25) **Dinsmore, S. J.**, M. B. Wunder, V. J. Dreitz, and F. L. Knopf. 2010. An assessment of factors affecting population growth of the Mountain Plover. *Avian Conservation and Ecology* 5(1):5 [on-line] URL: <http://www.ace-eco.org/vol5/iss1/art5/>.
- 26) Hanson, K. C., T. L. DeVault, and **S. J. Dinsmore**. 2010. Increased abundance of Neotropical Cormorants on the Alluvial Plain of Mississippi. *Southeastern Naturalist* 9:385-394.
- 27) **Dinsmore, S. J.**, and M. D. Smith. 2010. Mountain Plover responses to plague in Montana. *Vector Borne and Zoonotic Diseases* 10:37-45.
- 28) Holt, R. D., L. W. Burger, Jr., **S. J. Dinsmore**, M. D. Smith, S. J. Szukaitis, and K. D. Godwin. 2009. Effects of radio-marking on early post-release survival of Northern Bobwhite. *Journal of Wildlife Management* 73:989-995.
- 29) †Pearse, A. T., K. J. Reinecke, R. M. Kaminski, and **S. J. Dinsmore**. 2009. Using simulation to improve wildlife surveys: wintering mallards in Mississippi, USA. *Wildlife Research* 36:279-288.
- 30) †Childers, T. M., and **S. J. Dinsmore**. 2008. Density and abundance of Mountain Plovers in northeastern Montana. *The Wilson Journal of Ornithology* 120:700-707.
- 31) †Pearse, A. T., **S. J. Dinsmore**, R. M. Kaminski, and K. J. Reinecke. 2008. Evaluation of an aerial survey to estimate abundance of wintering ducks in western Mississippi. *Journal of Wildlife Management* 72:1413-1419.
- 32) **Dinsmore, S. J.** 2008. Black Skimmer nest survival in Mississippi. *Waterbirds* 31:24-29.
- 33) Augustine, D. J., **S. J. Dinsmore**, M. B. Wunder, V. J. Dreitz, and F. L. Knopf. 2008. Plovers, prairie dogs and plague: Response of a declining grassland bird to black-tailed prairie dog colony dynamics in landscapes affected by plague. *Landscape Ecology* 23:689-697.
- 34) **Dinsmore, S. J.** 2008. Influence of drought on annual survival of the Mountain Plover in Montana. *Condor* 110:45-54.
- 35) †Pearse, A. T., P. D. Gerard, **S. J. Dinsmore**, R. M. Kaminski, and K. D. Reinecke. 2008. Estimation and correction of visibility bias in aerial surveys of wintering ducks. *Journal of Wildlife Management* 72:808-813.
- 36) †Obrecht, J. D., and **S. J. Dinsmore**. 2007. Factors influencing winter roosts of American Crows in central Iowa. *Journal of the Iowa Academy of Sciences* 114:35-39.

- 37) †Hood, S. L., and **Dinsmore, S. J.** 2007. Use of occupancy abundance models to estimate abundance of Snowy and Wilson's Plovers in the Lower Laguna Madre region of Texas. *Journal of Field Ornithology* 78:362-368.
- 38) Colwell, M. A., S. J. Hurley, J. N. Hall, and **S. J. Dinsmore.** 2007. Age-related survival and behavior of Snowy Plover chicks. *Condor* 109:638-647.
- 39) †Hood, S. L., and **S. J. Dinsmore.** 2007. The influence of habitat on nest survival of Snowy and Wilson's Plovers in the Lower Laguna Madre region of Texas. *Studies in Avian Biology* 34:124-135.
- 40) **Dinsmore, S. J.,** and J. J. Dinsmore. 2007. Modeling avian nest survival in program MARK. *Studies in Avian Biology* 34:73-83.
- 41) †Pearse, A. T., B. S. Dorr, **S. J. Dinsmore,** and R. M. Kaminski. 2007. Comparison of sampling methods to estimate abundance of Double-crested Cormorants in western Mississippi. *Human-Wildlife Conflicts* 1:27-34.
- 42) **Dinsmore, S. J.,** and F. L. Knopf. 2005. Differential parental care by adult Mountain Plovers, *Charadrius montanus*. *Canadian Field-Naturalist* 119:532-536.
- 43) Smith, M. D., P. J. Barbour, L. W. Burger, Jr., and **S. J. Dinsmore.** 2005. Breeding bird abundance and diversity in agricultural field borders in the Black Belt Prairie of Mississippi. *Proceeding of the Southeastern Association of Fish and Wildlife Agencies* 59:43-46.
- 44) Chouinard, M. D., R. M. Kaminski, P. D. Gerard, and **S. J. Dinsmore.** 2005. Experimental evaluation of duck nesting structures in Prairie-Parkland Canada. *Wildlife Society Bulletin* 33:1231-1239.
- 45) **Dinsmore, S. J.,** G. C. White, and F. L. Knopf. 2005. Mountain Plover population responses to black-tailed prairie dogs in Montana. *Journal of Wildlife Management* 69:1546-1553.
- 46) Jorgensen, J. G., and **S. J. Dinsmore.** 2005. An assessment of the status of White-faced Ibis (*Plegadis chihi*) in the Great Plains. *North American Birds* 59:376-381.
- 47) Smith, M. D., P. J. Barbour, L. W. Burger, Jr., and **S. J. Dinsmore.** 2005. Density and diversity of overwintering birds in managed field borders in Mississippi. *Wilson Bulletin* 117:258-269.
- 48) Rotella, J. J., **S. J. Dinsmore,** and T. L. Shaffer. 2004. Modeling nest-survival data: a comparison of recently developed methods that can be implemented in MARK and SAS. *Animal Biodiversity and Conservation* 27:187-205.
- 49) Iko, W. M., **S. J. Dinsmore,** and F. L. Knopf. 2004. On determining the sex of Mountain Plovers (*Charadrius montanus*) from morphometric measurements. *Western North American Naturalist* 64:492-496.
- 50) **Dinsmore, S. J.,** G. C. White, and F. L. Knopf. 2003. Annual survival and population estimates of Mountain Plovers in southern Phillips County, Montana. *Ecological Applications* 13:1013-1026.
- 51) **Dinsmore, S. J.,** and J. A. Collazo. 2003. The influence of body condition on local apparent survival of spring migrant Sanderlings in coastal North Carolina. *Condor* 105:465-473.
- 52) **Dinsmore, S. J.,** G. C. White, and F. L. Knopf. 2002. Advanced techniques for modeling avian nest survival. *Ecology* 83:3476-3488.
- 53) **Dinsmore, S. J.,** and J. G. Jorgensen. 2001. Arctic Terns nesting in Montana: First modern interior U. S. nesting record. *North American Birds* 55:127-131.

- 54) Dinsmore, J. J., **S. J. Dinsmore**, and D. L. Howell. 1999. Least Terns and Piping Plovers in Iowa: persistence of marginal populations. Pages 51-55 in Higgins, K. F., M. R. Brashier, and C. D. Kruse, eds. Proceedings, Piping Plovers and Least Terns of the Great Plains and nearby. Brookings: South Dakota State University. 132 pp.
- 55) **Dinsmore, S. J.**, and F. L. Knopf. 1999. Six-egg clutches of the Mountain Plover, *Charadrius montanus*. *Canadian Field-Naturalist* 113:516-517.
- 56) **Dinsmore, S. J.**, J. A. Collazo, and J. R. Walters. 1998. Seasonal numbers and distribution of shorebirds on North Carolina's Outer Banks. *Wilson Bulletin* 110:171-181.
- 57) **Dinsmore, S. J.**, J. J. Dinsmore, and D. L. Howell. 1993. Least Terns feeding on fly-ash deposits. In Higgins, K. F. and M. R. Brashier, editors. Proceedings, The Missouri River and its Tributaries: Piping Plover and Least Tern Symposium. South Dakota State University, Brookings.
- 58) Dinsmore, J. J., and **S. J. Dinsmore**. 1993. Range Expansion of the Great-tailed Grackle in the 1900s. *Journal of the Iowa Academy of Sciences* 100:54-59.
- 59) **Dinsmore, S. J.**, and W. R. Clark. 1991. Food habits of the Northern Saw-whet Owl in Central Iowa: Effects of Roost Location. *Journal of the Iowa Academy of Sciences* 98:167-169.

#### **Books and book chapters (8)**

- 1) White, T. H., **S. J. Dinsmore**, and J. A. Collazo. Niche restriction and conservatism in a neotropical psittacine: the case of the Puerto Rican parrot. Habitat Loss: Causes, Impacts on Biodiversity, and Reduction Strategies. *In review*.
- 2) **Dinsmore, S. J.**, and D. H. Johnson. 2012. Chapter 15 – Population analysis in wildlife biology. Pages 349-380 in Silvy, N. S., editor. The Wildlife Techniques Manual – Research, Volume 1. The Wildlife Society, Bethesda, MD.
- 3) Brown, Mary B., **S. J. Dinsmore**, and C. R. Brown. 2012. Birds of southwestern Nebraska: An annotated check-list of species in the North and South Platte River Valleys and at Lake McConaughy. University of Nebraska Press.
- 4) **Dinsmore, S. J.**, and D. H. Johnson. 2004. Chapter 6 – Population analysis in wildlife biology. Pages 154-184 in Braun, C. E., editor. Techniques for wildlife investigations and management. The Wildlife Society, Bethesda, MD.
- 5) **Dinsmore, S. J.** 2000. Mountain Plover. Pages 213-218 in Reading, R. P., and B. Miller, editors. Endangered animals: a reference guide to conflicting issues. Greenwood Press, Westport, CT.
- 6) **Dinsmore, S. J.**, S. K. Skagen, and D. L. Helmers. 1999. Shorebirds: An overview for the Prairie Pothole Joint Venture. Prairie Pothole Joint Venture publication.
- 7) Jackson, L. S., C. A. Thompson, J. J. Dinsmore, B. L. Ehresman, J. Fleckenstein, R. Cecil, L. Hemesath, and **S. J. Dinsmore**. 1997. Iowa Breeding Bird Atlas. University of Iowa Press, Iowa City.
- 8) **Dinsmore, S. J.**, L. S. Jackson, B. L. Ehresman, and J. J. Dinsmore. 1995. Iowa Wildlife Viewing Guide. Falcon Press, Helena, MT.

#### **Miscellaneous reviewed publications (2)**

- 1) Dinsmore, J. J., **S. J. Dinsmore**, and D. L. Howell. 2004. Piping Plovers and Least Terns in Iowa: dependence on fly-ash deposits. Pages 51-55 in Higgins, K. F., M. R. Brashier, and C. Fleming, eds. Proceedings, Third Missouri River and North American Piping Plover and Least Tern habitat workshop/symposium. WFS1-05, South Dakota State University. Brookings.
- 2) **Dinsmore, S. J.** 2003. Mountain Plover (*Charadrius montanus*): a technical conservation assessment. USDA Forest Service, Rocky Mountain Region. [<http://www.fs.fed.us/r2/projects/scp/assessments/mountainplover.pdf>]

**Select non-refereed publications (12)**

- 1) Collazo, J. A., M. Krachey, **S. J. Dinsmore**, T. H. White, and I. Llerandi-Roman. 2010. Assessment of Puerto Rican Parrot demography: Implications for its recovery program. Final report to U.S. Fish and Wildlife Service. 52 pp.
- 2) **Dinsmore, S. J.**, and A. Farnsworth. 2006. The Changing Seasons – Weatherbirds. *North American Birds* 60:14-26.
- 3) **Dinsmore, S. J.** 2005. The Ivory-billed Woodpecker in Mississippi. *Delta Wildlife* 13:29.
- 4) Pearse, A. T., R. M. Kaminski, **S. J. Dinsmore**, and K. J. Reinecke. 2005. Waterfowl abundance and distribution in the Mississippi Delta. *Delta Wildlife* 13:14-16.
- 5) **Dinsmore, S. J.**, and W. R. Silcock. 2004. The Changing Seasons – Expansions. *North American Birds* 58:324-330.
- 6) Pearse, A. T., **S. J. Dinsmore**, R. M. Kaminski, and K. J. Reinecke. 2004. Studying abundance and distribution of ducks in the Mississippi Delta. *Delta Wildlife* 12:19-20.
- 7) **Dinsmore, S. J.** Shorebirds and catfish ponds in the Mississippi Delta. 2004. *Delta Wildlife* 12:5-7.
- 8) **Dinsmore, S. J.**, and J. Fontaine. 2003. The Changing Seasons – Winter of the half-hardies. *North American Birds* 57:164-170.
- 9) Pearse, A. T., R. M. Kaminski, **S. J. Dinsmore**, and K. J. Reinecke. 2003. Delta duck details: What you need to know. *Wildlife Issues* 4:7, 9.
- 10) **Dinsmore, S. J.** 2002. The Changing Seasons – Musings of a migrant birder. *North American Birds* 56:270-276.
- 11) **Dinsmore, S. J.** 2001. The Changing Seasons – Summer 2001. *North American Birds* 55:398-405.
- 12) **Dinsmore, S. J.**, and J. G. Jorgensen. 2001. Arctic Terns nesting in Montana: First modern interior U. S. nesting record. *North American Birds* 55:127-131.

In addition, I have published >140 short articles and notes on birds, most in regional or state ornithological journals.

**Extension publications (1)**

- 1) Jacobs, K. M., M. W. Brunson, B. C. West, **S. J. Dinsmore**, and J. E. Miller. 2004. Mississippi endangered species and wildlife success stories: a 4-H school enrichment module. MSU-Extension Service. [There were 13 posters: Habitat, The Endangered Species Act, Gulf Sturgeon, Gopher Tortoise, Louisiana Black Bear, Gray Bat, Louisiana Quillwort, Mississippi Sandhill Crane, Red-

cockaded Woodpecker, American Burying Beetle, American Alligator, Bald Eagle, and Peregrine Falcon.]

### Book reviews (3)

- 1) **Dinsmore, S. J.** 2007. Book review – Fifty uncommon birds of the Upper Midwest. *Prairie Naturalist* 39:115-116.
- 2) **Dinsmore, S. J.** 2007. Book review – Wildlife-Habitat Relationships: Concepts and Application. *Condor* 109:981-982.
- 3) **Dinsmore, S. J.** 2003. Book review – Birds of Nebraska: Their distribution and temporal occurrence. *Wilson Bulletin* 115:352-353.

### Manuscripts in review (9)

†Indicates co-authorship with one of my students

- 1) †Skraed, P. D. B., and **S. J. Dinsmore**. Egg crypsis in a ground-nesting shorebird influences nest survival. *Ecosphere* [90% design, 25% analyses, 10% writing]
- 2) †Murphy, K. T., and **S. J. Dinsmore**. Stopover dynamics of fall migrant Pectoral Sandpipers in Iowa. *Auk* [90% design, 25% analyses, 10% writing]
- 3) McKelvey, M. W., P. M. Dixon, and **S. J. Dinsmore**. Incorporating detection into classification and regression trees for occupancy modeling. *Statistical Reports* [10% design, 5% analyses, 5% writing]
- 4) †Alverson, K., and **S. J. Dinsmore**. Factors affecting Burrowing Owl (*Athene cunicularia*) occupancy of prairie dog colonies. *Auk* [100% design, 50% analyses, 50% writing]
- 5) †Conover, R. R., **S. J. Dinsmore**, and L. W. Burger, Jr. Postfledging survival and behavior of the Dickcissel in a managed agricultural matrix. *Auk* [50% design, 25% analyses, 10% writing]
- 6) †Conover, R. R., **S. J. Dinsmore**, and L. W. Burger, Jr. Bird community use of early succession patches in a fragmented agricultural landscape. *American Midland Naturalist* [50% design, 25% analyses, 10% writing]
- 7) †Harms, T. M., and **S. J. Dinsmore**. Response rates of secretive marsh-birds in Iowa. *Wilson Journal of Ornithology* [100% design, 25% analyses, 10% writing]
- 8) †Gillespie, M. K., and **S. J. Dinsmore**. Nest survival of Red-winged Blackbirds in areas developed for wind energy. *Agriculture, Ecosystems, and the Environment*. [90% design, 25% analyses, 10% writing]
- 9) †Harms, T. M., K. E. Kinkead, and **S. J. Dinsmore**. Evaluating the effects of landscape configuration on site occupancy and metapopulation dynamics of Odonates in Iowa. *Journal of Insect Conservation*. [0% design, 25% analyses, 10% writing]

### Professional presentations (103)

†Indicates co-authorship with one of my students (61), § indicates an invited talk (23)

- 1) **Dinsmore, S. J.** 2013. Mountain Plover demography: Plovers, prairie dogs, and plague in Montana. Annual meeting of The Wildlife Society, Milwaukee, Wisconsin.
- 2) Kinkead, K. E., **S. J. Dinsmore**, T. M. Harms, and P. Frese. 2013. The Multiple Species Inventory and Monitoring Program in Iowa. Annual meeting of The Wildlife Society, Milwaukee, Wisconsin. [poster presentation]

- 3) Harms, T. M., **S. J. Dinsmore**, and K. E. Kinkead. 2013. Landscape characteristics affect site occupancy and metapopulation dynamics of reptiles in Iowa. Annual meeting of The Wildlife Society, Milwaukee, Wisconsin.
- 4) †Reiter-Marolf, B. J., J. A. Blanchong, and **S. J. Dinsmore**. 2013. A non-invasive approach to studying lead exposure in Iowa Bald Eagles. Annual meeting of The Wildlife Society, Milwaukee, Wisconsin.
- 5) †Murphy, K. T., and **S. J. Dinsmore**. 2013. Waterbird use of dynamic sheetwater wetlands in Iowa's Prairie Pothole Region. Annual meeting of The Wildlife Society, Milwaukee, Wisconsin.
- 6) **Dinsmore, S. J.**, and F. L. Knopf. 2013. Implications of competition with Burrowing Owls on Mountain Plover juvenile survival. Annual meeting of the International Wader Study Group, Wilhelmshaven, Germany.
- 7) †Skrade, P. D. B., and **S. J. Dinsmore**. 2013. Age-specific breeding probabilities for the Mountain Plover. Annual meeting of The American Ornithologists' Union, Chicago, IL.
- 8) †Harms, T. M., and **S. J. Dinsmore**. 2013. Co-occurrence of Marsh Wrens and Yellow-headed Blackbirds at wetlands in Iowa. Annual meeting of The American Ornithologists' Union, Chicago, IL.
- 9) †Skrade, P. D. B., and **S. J. Dinsmore**. 2013. The effect of egg crypsis on Mountain Plover (*Charadrius montanus*) nest survival. Annual meeting of The American Ornithologists' Union, Chicago, IL. [poster presentation]
- 10) †Alverson, K., and **S. J. Dinsmore**. 2013. Factors affecting Burrowing Owl (*Athene cunicularia*) occupancy of prairie dog colonies. ISU Symposium on Undergraduate Research and Creative Expression.
- 11) †§Murphy, K. T., and **S. J. Dinsmore**. 2013. Waterbird use of farmed wetlands in Iowa's Prairie Pothole Region. Iowa DNR Wildlife Statewide meeting, Springbrook SP.
- 12) †Gillespie, M. K., and **S. J. Dinsmore**. 2012. Reproductive success of birds in relation to wind turbine proximity in Iowa. NWCC Wind Wildlife Research Meeting, Denver, Colorado. [poster presentation]
- 13) †Gillespie, M. K., and **S. J. Dinsmore**. 2012. Bird responses to wind turbine proximity in Iowa. NWCC Wind Wildlife Research Meeting, Denver, Colorado. [poster presentation]
- 14) †Gillespie, M. K., and **S. J. Dinsmore**. 2012. Avian nest survival and wind turbine proximity: does it matter? Midwest Fish and Wildlife Conference, Wichita, Kansas.
- 15) †Gillespie, M. K., and **S. J. Dinsmore**. 2012. Wind turbine proximity and the risk of Brown-headed Cowbird parasitism. Midwest Fish and Wildlife Conference, Wichita, Kansas. [poster presentation]
- 16) †**Dinsmore, S. J.**, and P. D. B. Skrade. 2012. Olfactory and visual nest defenses in the Mountain Plover. Annual meeting of the International Wader Study Group, Séné, France.
- 17) †Conover, R. R., **S. J. Dinsmore**, and L. W. Burger, Jr. 2012. Demographic responses of the Dickcissel to early-succession management practices in Mississippi. North American Ornithological Congress, Vancouver, British Columbia.

- 18) †Skrade, P. D. B., and **S. J. Dinsmore**. 2012. Age-specific breeding probabilities of Mountain Plovers in Montana. Fifth North American Ornithological Congress, Vancouver, BC.
- 19) †Skrade, P. D. B., and **S. J. Dinsmore**. 2012. Variation in circulating prolactin in incubating Mountain Plovers. Fifth North American Ornithological Congress, Vancouver, BC.
- 20) †Gillespie, M. K., and **S. J. Dinsmore**. 2012. Bird density and reproductive responses to wind turbine proximity. Iowa Chapter of The Wildlife Society annual meeting, Des Moines, Iowa.
- 21) †Gillespie, M. K., and **S. J. Dinsmore**. 2011. Avian responses to wind turbines in Iowa. Midwest Fish and Wildlife Conference, Des Moines, Iowa.
- 22) †Gillespie, M. K., and **S. J. Dinsmore**. 2011. Bat activity patterns at Iowa wind farms. Midwest Fish and Wildlife Conference, Des Moines, Iowa. [poster presentation]
- 23) †Harms, T. M., and **S. J. Dinsmore**. 2011. Effect of habitat characteristics on wetland occupancy of secretive marsh birds in Iowa. Annual meeting of The Wildlife Society, Kona, Hawaii.
- 24) Kinkead, K. E., **S. J. Dinsmore**, and T. Bishop. 2011. Bird use of wetland reserve properties in Iowa. Annual meeting of The Wildlife Society, Kona, Hawaii. [poster presentation]
- 25) †Harms, T. M., and **S. J. Dinsmore**. 2011. Effect of habitat characteristics on wetland occupancy of secretive marsh birds in Iowa. Annual meeting of The Wildlife Society, Kona, Hawaii. [poster presentation]
- 26) §Collazo, J. A., P. L. Fackler, T. H. White, I. Llerandi-Roman, and **S. J. Dinsmore**. 2011. Reintroduction of Puerto Rican parrots: decisions and learning in a highly managed setting. Annual meeting of The Wildlife Society, Kona, Hawaii.
- 27) **Dinsmore, S. J.** 2011. Plovers, prairie dogs, and plague: The Mountain Plover in Montana, USA. Annual meeting of the International Wader Study Group, Strathpeffer, Scotland.
- 28) §**Dinsmore, S. J.** 2011. Prairie ghosts: The Mountain Plover in Montana. The University of Iowa, Iowa City, Iowa.
- 29) †Skrade, P. D. B., and **S. J. Dinsmore**. 2011. Incubation activity of the Mountain Plover (*Charadrius montanus*). Annual meeting of the International Wader Study Group, Strathpeffer, Scotland. [poster presentation]
- 30) §†Dzul, M. C., D. B. Gaines, K. P. Wilson, **S. J. Dinsmore**, M. C. Quist, P. M. Dixon, and M. R. Bower. 2011. Devils Hole Pupfish population dynamics: Estimating growth and survival from length-frequency data. Annual meeting of the American Fisheries Society, Seattle, Washington.
- 31) †Bower, M. R., D. B. Gaines, K. P. Wilson, J. G. Wullschleger, M. C. Dzul, M. C. Quist, and **S. J. Dinsmore**. 2011. Use of diver visual estimates and photogrammatic measurements from a stereo-video camera system for determining length of a small-bodied fish. Annual meeting of the American Fisheries Society, Seattle, Washington. [poster presentation]
- 32) **Dinsmore, S. J.** 2011. Mountain Plover responses to deltamethrin treatments on prairie dog colonies in Montana. Western Hemisphere Shorebird Group meeting, Vancouver, British Columbia.

- 33) **Dinsmore, S. J.**, D. J. Lauten, K. A. Castelein, E. P. Gaines, and M. A. Stern. 2011. Patterns of Snowy Plover nest survival in coastal Oregon. Western Hemisphere Shorebird Group meeting, Vancouver, British Columbia.
- 34) †Skrade, P. D. B., and **S. J. Dinsmore**. 2011. Egg volumes in male- and female-tended Mountain Plover clutches. Western Hemisphere Shorebird Group meeting, Vancouver, British Columbia.
- 35) Colwell, M. A., W. J. Pearson, L. J. Eberhart-Phillips, and **S. J. Dinsmore**. 2011. Apparent survival of Snowy Plovers varies annually and not in association with reproductive effort. Western Hemisphere Shorebird Group meeting, Vancouver, British Columbia.
- 36) **Dinsmore, S. J.** 2011. The influence of aromatic contents on Mountain Plover nest survival. Annual meeting of the American Ornithologists' Union, Jacksonville, Florida.
- 37) †Skrade, P. D. B., and **S. J. Dinsmore**. 2011. Maternal investment in Mountain Plover egg volume. Annual meeting of the American Ornithologists' Union, Jacksonville, Florida.
- 38) §**Dinsmore, S. J.** 2011. Plovers, prairie dogs, and plague: The Mountain Plover in Montana. Montana Audubon annual conference, Glasgow, Montana.
- 39) †Harms, T. M., and **S. J. Dinsmore**. 2011. The use of call-broadcast surveys for monitoring secretive marsh-birds in Iowa. Iowa Academy of Science annual meeting, Waverly, Iowa. [poster presentation]
- 40) †Harms, T. M., and **S. J. Dinsmore**. 2011. Response rates of breeding secretive marsh-birds in Iowa. Joint meeting of The Waterbird Society and the North American Crane Working Group, Grand Island, Nebraska.
- 41) †Gregory, C. J., **S. J. Dinsmore**, L. A. Powell, and J. G. Jorgensen. 2011. Estimating the abundance of Long-billed Curlews in Nebraska. Joint AFO/COS/WOS meeting, Kearney, Nebraska.
- 42) †Harms, T. M., and **S. J. Dinsmore**. 2011. Habitat associations of secretive marsh-birds in Iowa. Joint AFO/COS/WOS meeting, Kearney, Nebraska.
- 43) †Kornegay, M. E., J. A. Collazo, **S. J. Dinsmore**, and J. F. Saracco. 2011. Testing assumptions underlying estimates of breeding productivity derived from mist-netting data. Joint AFO/COS/WOS meeting, Kearney, Nebraska. [poster presentation]
- 44) §**Dinsmore, S. J.** 2011. Integrating study abroad into natural resources education. Fisheries Statewide meeting, Iowa DNR.
- 45) †Harms, T. M., and **S. J. Dinsmore**. 2011. Response rates of breeding secretive marsh-birds in Iowa. Iowa Chapter of The Wildlife Society annual meeting, Honey Creek Resort, Iowa.
- 46) †Dzul, M. C., M. C. Quist, **S. J. Dinsmore**, D. B. Gaines, and K. P. Wilson. 2010. Movement of Salt Creek pupfish (*Cyprinodon salinus salinus*) living in Salt Creek, Death Valley National Park, CA. 71<sup>st</sup> Annual Midwest Fish and Wildlife Conference, Minneapolis, Minnesota.
- 47) †Dzul, M. C., P. M. Dixon, M. C. Quist, **S. J. Dinsmore**, M. R. Bower, D. B. Gaines, and K. P. Wilson. 2010. Using variance components to estimate power in a hierarchically nested sampling design: Improving monitoring of larval Devils Hole pupfish. 42<sup>nd</sup> Annual Meeting of the Desert Fishes Council, Moab, Utah.

- 48) †Dzul, M. C., M. C. Quist, **S. J. Dinsmore**, D. B. Gaines, and K. P. Wilson. 2010. Movement of Salt Creek pupfish (*Cyprinodon salinus salinus*) living in Salt Creek, Death Valley National Park, CA. 42<sup>nd</sup> Annual Meeting of the Desert Fishes Council, Moab, Utah.
- 49) †Dzul, M. C., M. C. Quist, **S. J. Dinsmore**, D. B. Gaines, and K. P. Wilson. 2010. Movement of Salt Creek pupfish *Cyprinodon salinus salinus* living in Salt Creek, Death Valley National Park, CA. 140<sup>th</sup> Annual Meeting of the American Fisheries Society, Pittsburgh, Pennsylvania. [poster presentation]
- 50) †Harms, T. M., and **S. J. Dinsmore**. 2010. Distribution and abundance of secretive marsh-birds in Iowa. Midwest Ecology and Evolution Conference, Ames, Iowa.
- 51) †Skraide, P. D. B., and **S. J. Dinsmore**. 2010. Egg size of the Mountain Plover. Midwest Ecology and Evolution Conference, Ames, Iowa. [poster presentation]
- 52) †Skraide, P. D. B., and **S. J. Dinsmore**. 2010. Incubation behavior of the Mountain Plover (*Charadrius montanus*). Annual meeting of the American Ornithologists' Union, San Diego, California.
- 53) †Wiewel, A. N., **S. J. Dinsmore**, and J. A. Collazo. 2010. Breeding season abundance, distribution, and biology of the Puerto Rican Bullfinch in Guanica, Puerto Rico. Annual meeting of the American Ornithologists' Union, San Diego, California. [poster presentation]
- 54) †Dzul, M. C., M. C. Quist, and **S. J. Dinsmore**. 2010. Past, present, and future strategies for conservation of the Devils Hole pupfish. Annual Meeting of the Iowa American Fisheries Society/Iowa Chapter of The Wildlife Society, Ames, Iowa.
- 55) †Dzul, M. C., M. C. Quist, **S. J. Dinsmore**, P. M. Dixon, and M. R. Bower. 2009. Sampling designs for monitoring larval Devils Hole pupfish: combining variance components and power analyses. 70<sup>th</sup> Annual Midwest Fish and Wildlife Conference, Springfield, Illinois. [poster presentation]
- 56) †Dzul, M., M. C. Quist, and **S. J. Dinsmore**, P. M. Dixon, and M. R. Bower. 2009. Sources of error in adult Devils Hole Pupfish surveys: results of an experimental dive. Desert Fishes Council annual meeting, Death Valley National Park, California.
- 57) †Dzul, M., M. C. Quist, **S. J. Dinsmore**, P. M. Dixon, and M. R. Bower. 2009. Sampling designs for monitoring larval Devils Hole pupfish: combining variance components and power analyses. Desert Fishes Council annual meeting, Death Valley National Park, California. [poster presentation]
- 58) Colwell, M. A., S. M. Mullin, S. E. McAllister, and **S. J. Dinsmore**. 2009. Apparent survival and population growth of Snowy Plovers in coastal Northern California. Western Hemisphere Shorebird Group meeting, Mazatlan, Mexico.
- 59) †Gregory, C. J., **S. J. Dinsmore**, L. A. Powell, and J. G. Jorgensen. 2009. Movements and survival of Long-billed Curlew (*Numenius americanus*) chicks in Nebraska. Western Hemisphere Shorebird Group meeting, Mazatlan, Mexico.
- 60) †Skraide, P. D. B., and **S. J. Dinsmore**. 2009. Dispersal patterns in breeding Mountain Plovers (*Charadrius montanus*). Western Hemisphere Shorebird Group meeting, Mazatlan, Mexico.
- 61) §**Dinsmore, S. J.** 2008. Mountain Plover responses to plague in Montana. Plague Conference, Fort Collins, Colorado.

- 62) †Conover, R. R., **S. J. Dinsmore**, and L. W. Burger, Jr. 2008. Avian reproduction in managed habitats amongst intensive agriculture: making room for success? AOU/COS/CSO Joint Conference, Portland, Oregon.
- 63) §**Dinsmore, S. J.** 2008. Prairie ghosts: the Mountain Plover in Montana. Invited seminar at Boise State University, Boise, Idaho.
- 64) Anderson, J. T., J. A. Moon, B. M. Ballard, D. A. Haukos, R. R. Cox, Jr., **S. J. Dinsmore**, and T. E. Moorman. 2006. Survival of female Northern Pintails during winter in Texas. Fourth North American Duck Symposium, Bismarck, ND.
- 65) †Conover, R., **S. J. Dinsmore**, and L. W. Burger. 2006. Grassland bird nesting ecology in linear and block herbaceous habitat. The Wildlife Society Annual Meeting, Anchorage, AK.
- 66) †Pearse, A. T., R. M. Kaminski, **S. J. Dinsmore**, and K. J. Reinecke. 2006. Evaluation of an aerial survey to estimate wintering waterfowl abundance in Mississippi. Fourth North American Duck Symposium, Bismarck, ND.
- 67) †Pearse, A. T., R. M. Kaminski, **S. J. Dinsmore**, and K. J. Reinecke. 2006. Habitat selection by ducks wintering in Mississippi. Fourth North American Duck Symposium, Bismarck, ND. [poster presentation]
- 68) †Pearse, A. T., **S. J. Dinsmore**, R. M. Kaminski, and K. J. Reinecke. 2006. Environmental factors influencing wintering waterfowl distribution. Annual meeting of the Ecological Society of America, Memphis, TN.
- 69) **Dinsmore, S. J.** 2006. Sex-specific survival of the Mountain Plover in Montana. Shorebird Science in the Western Hemisphere, Boulder, CO.
- 70) †Childers, T. M., and **S. J. Dinsmore**. 2006. Mountain Plover density and abundance on prairie dog colonies in Montana. Shorebird Science in the Western Hemisphere, Boulder, CO.
- 71) Anderson, J. T., B. M. Ballard, R. R. Cox Jr., **S. J. Dinsmore**, and T. E. Moorman. 2005. Survival of female Northern Pintails during winter along the Texas coast. The Wildlife Society Annual Meeting, Madison, Wisconsin.
- 72) †Childers, T. M., and **S. J. Dinsmore**. 2005. The influence of habitat on nest survival of Mountain Plovers in Montana. The Wildlife Society Annual Meeting, Madison, Wisconsin.
- 73) **Dinsmore, S. J.**, and M. D. Smith. 2005. Modeling occupancy of Black-tailed Prairie Dog colonies by Mountain Plovers. The Wildlife Society Annual Meeting, Madison, Wisconsin.
- 74) §**Dinsmore, S. J.** 2005. Modeling avian nest survival in Program MARK. Annual meeting of the Cooper Ornithological Society, Arcata, California.
- 75) †Hood, S. L., and **S. J. Dinsmore**. 2005. Influence of habitat on nest survival of Snowy and Wilson's Plovers in Texas. Annual meeting of the Cooper Ornithological Society, Arcata, California.
- 76) †Pearse, A. T., R. M. Kaminski, and **S. J. Dinsmore**. 2005. Comparison of sampling methods to estimate abundance of double-crested cormorants in the Yazoo Basin of Mississippi. Jack H. Berryman Institute annual conference, Logan, Utah.
- 77) †Pearse, A. T., R. M. Kaminski, **S. J. Dinsmore**, and K. Reinecke. 2005. Habitat selection by ducks wintering in Mississippi. The Wildlife Society Annual Meeting, Madison, Wisconsin.

- 78) †§Pearse, A. T., R. M. Kaminski, **S. J. Dinsmore**, and K. J. Reinecke. 2005. Estimation of wintering waterfowl abundance in Mississippi. Invited presentation at Mississippi Flyway Technical Committee Meeting, Tunica, Mississippi.
- 79) †§Pearse, A. T., R. M. Kaminski, **S. J. Dinsmore**, and K. J. Reinecke. 2005. Estimation and modeling of waterfowl distribution in Mississippi. Invited presentation to Tennessee Wildlife Federation Blue Ribbon Committee, Reelfoot Lake, Tennessee.
- 80) †§Pearse, A. T., R. M. Kaminski, K. J. Reinecke, and **S. J. Dinsmore**. 2005. Estimation and modeling wintering waterfowl abundance in Mississippi. Invited presentation at the Lower Mississippi Valley Joint Venture Waterfowl Working Group meeting, Vicksburg, Mississippi.
- 81) Dinsmore, J. J., **S. J. Dinsmore**, and D. L. Howell. 2004. Piping Plovers and Least Terns in Iowa: Dependence on Fly-ash Deposits. Piping Plover/Least Tern conference, Sioux City, Nebraska.
- 82) §**Dinsmore, S. J.** 2004. Population biology of the Mountain Plover in Montana. Invited talk at a Great Plains ecosystem meeting, Val Marie, Saskatchewan.
- 83) §**Dinsmore, S. J.** 2004. Population biology of the Mountain Plover in Montana. Invited seminar at New Mexico State University.
- 84) §**Dinsmore, S. J.** 2003. Modeling avian nest survival: an example using Mountain Plovers. Invited seminar at Oregon State University.
- 85) **Dinsmore, S. J.**, and J. J. Rotella. 2003. Modeling avian nest survival in Program MARK. Third International Wildlife Management Congress, Christchurch, New Zealand.
- 86) **Dinsmore, S. J.**, and G. C. White. 2003. Mountain Plover use of black-tailed prairie dog colonies in Phillips County, Montana. The Wildlife Society Annual Meeting, Burlington, Vermont.
- 87) †§Pearse, A. T., R. M. Kaminski, and **S. J. Dinsmore**. 2003. Estimation and modeling of waterfowl abundance in Mississippi. Invited presentation at the Mississippi Department of Wildlife, Fisheries and Parks staff meeting, Jackson, Mississippi.
- 88) †§Pearse, A. T., R. M. Kaminski, **S. J. Dinsmore**, and K. J. Reinecke. 2003. Estimation and modeling of waterfowl abundance in Mississippi – project overview. Invited presentation to the Executive Director and staff of Mississippi Department of Wildlife, Fisheries and Parks, Jackson, Mississippi.
- 89) †Pearse, A. T., R. M. Kaminski, **S. J. Dinsmore**, K. J. Reinecke, and L. W. Burger. 2003. Estimation and modeling of wintering waterfowl abundance in Mississippi. Third North American Duck Symposium, Sacramento, California. [poster presentation]
- 90) Rotella, J. J., **S. J. Dinsmore**, and T. L. Shaffer. 2003. Modeling nest success data: recent analysis developments using Programs MARK and SAS. EURING Technical Meeting, Radolfzell, Germany.
- 91) §**Dinsmore, S. J.** 2002. Modeling avian nest survival. Invited seminar at Joseph W. Jones Ecological Center, Ichauway, Georgia.
- 92) **Dinsmore, S. J.**, G. C. White, and F. L. Knopf. 2002. Nest survival models for Mountain Plovers in Phillips County, Montana. Annual meeting of The Wildlife Society, Bismarck, North Dakota.

- 93) §**Dinsmore, S. J.**, and F. L. Knopf. 2001. Status and conservation of Mountain Plovers in Montana. Invited talk at the annual meeting of the Cooper Ornithological Society, Albuquerque, New Mexico.
- 94) Dinsmore, J. J., **S. J. Dinsmore**, and D. L. Howell. 1998. Least Terns and Piping Plovers in Iowa: Persistence of marginal populations. Great Plains Piping Plover and Least Tern Symposium, Omaha, Nebraska.
- 95) §**Dinsmore, S. J.** 1998. Birds of the Nebraska Panhandle. Invited talk at the annual meeting of the Nebraska Ornithologists' Union, Scottsbluff, Nebraska.
- 96) **Dinsmore, S. J.** 1997. Status and current research on the Mountain Plover in Phillips County, Montana. Mountain Plover Symposium, Denver, Colorado.
- 97) **Dinsmore, S. J.** 1996. Mountain Plovers in Phillips County, Montana. Denver Audubon Symposium on Mountain Plovers, Fort Collins, Colorado.
- 98) §**Dinsmore, S. J.** 1994. Population numbers and turnover rates of migrant Sanderlings (*Calidris alba*) on the Outer Banks of North Carolina. Invited seminar at the University of North Carolina, Chapel Hill.
- 99) **Dinsmore, S. J.**, and J. A. Collazo. 1994. Population numbers and turnover rates of migrant Sanderlings (*Calidris alba*) on the Outer Banks of North Carolina. First Joint Meeting of the AOU, COS, and WOS, Missoula, Montana.
- 100) §**Dinsmore, S. J.** 1993. The abundance and distribution of shorebirds on North Carolina's Outer Banks. Invited speaker at the annual meeting of the Carolina Bird Club, Nags Head, North Carolina.
- 101) Dinsmore, J. J., **S. J. Dinsmore**, and D. L. Howell. 1992. Least Terns nesting on fly-ash deposits. Piping Plover and Least Tern Symposium, Lincoln, Nebraska.
- 102) Harris, C. E., N. F. Johnson, and **S. J. Dinsmore**. 1991. Band recovery and survival rates of Canada Geese in Southwest Idaho, 1953-85. International Canada Goose Symposium, Milwaukee, Wisconsin.
- 103) §**Dinsmore, S. J.** 1989. Distribution of Henslow's Sparrows in Iowa, Minnesota, and Wisconsin. Invited talk at the Tri-State Ornithological Meeting, Lacrosse, Wisconsin.

### **Review Panels (2)**

- 1) I was selected to participate in the independent external peer review panel to review the Emergent Sandbar Habitat Programmatic Environmental Impact Statement as a subcontractor to Battelle (2010).
- 2) I was selected to participate in the model review panel to review the Waterfowl Assessment Methodology for the USACE Ecosystem Restoration Planning Center of Expertise as a subcontractor to Battelle (2009-2010).

## **SERVICE**

### **Iowa State University Service**

#### *Department of Natural Resource Ecology and Management (NREM)*

- Director of Graduate Education (2013–present)
- Post-tenure Review Committee (2013)
- Faculty Mentor for Dr. Peter Wolter (2012–present)
- Fall Undergraduate Camp Committee (2012–2013)

- Chair, Search Committee to hire a Leader of the Iowa Cooperative Fish and Wildlife Research Unit (2011)
- Curatorial Committee (2007–present)
- Curriculum and Catalog Committee (2007–present)
- Governance Document Committee (2006–2008)
- Strategic Plan Committee (2006–2008)
- Graduate Curriculum Committee (2005–present)
- Undergraduate Curriculum Committee (Animal Ecology; 2005–present)

*College of Agriculture and Life Sciences*

- Honor's Program Committee (2008–present)

*Iowa State University*

- Institutional Animal Care and Use Committee (2012–present)
  - Subcommittee for disaster planning (2012–2013)
- Outdoor Teaching and Learning Committee (2008–2010, 2013–present)

*Inter-departmental programs*

- Member, Ecology and Evolutionary Biology interdepartmental program (2005–present)

**Professional Service**

*Editorial roles*

- Associate Editor, *Auk* (2006–present)
- Editor, *Iowa Bird Life* (2010–present)
- Associate Editor, *North American Birds* (2001–present)
- Associate Editor, *Nebraska Bird Review* (2001–2009)
- Provided >45 manuscript reviews for *Arctic*, *Auk*, *Avian Conservation and Ecology*, *Bird Conservation International*, *Condor*, *Conservation Biology*, *Ecological Applications*, *Ecology*, *Ecology and Evolution*, *Frontiers in Ecology and the Environment*, *Functional Ecology*, *Human-Wildlife Conflicts*, *Journal of Animal Ecology*, *Journal of Field Ornithology*, *Journal of Raptor Research*, *Journal of Wildlife Management*, *North American Journal of Fisheries Management*, *Oecologia*, *Southeastern Naturalist*, *Southwestern Naturalist*, *Studies in Avian Biology*, *Waterbirds*, *Wetlands*, *Wildlife Monographs*, *Wildlife Society Bulletin*, *Wilson Journal of Ornithology*, and several local and regional journals, in addition to manuscripts I was assigned as an editor/associate editor.

*Review Teams*

- Board of Natural Resources Ag Roadmap (a process to identify national research priorities), National Association of University Fisheries and Wildlife Programs (2012).
- Appointed to the Habitat Committee of the IDALS Water Plan (2010).
- Asked to represent wildlife interests on an Iowa Department of Natural Resources committee to examine impacts of the Iowa Department of Agriculture and Land Stewardship (IDALS) Water Plan (2009).
- Appointed to the Iowa Department of Natural Resources advisory committee for bird monitoring on Wetland Reserve Program lands in Iowa (2007–2009).

*Other Service*

- USDA Avian Health Workshop (invited speaker, 2012).

- Gave an invited talk entitled “Integrating Study Abroad into natural resources education” to the Iowa Department of Natural Resources fisheries staff (2011).
- Gave a half-day workshop on statistics and study design to the Iowa Department of Natural Resources research staff (2011).
- Part of a team who developed a proposal to host the 2015 annual meeting of The Wildlife Society in Des Moines, IA (2011).
- Appointed to the Iowa State Preserves Board (2008–2011).
- Gave a 2-day workshop on shorebird capture and handling to USDA-Wildlife Services biologists in Stoneville, MS (2008).
- Elected Chair of the Steering Committee for the 2008–2012 Iowa Breeding Bird Atlas Project (2007).
- Appointed to the Iowa Academy of Science Research Committee (2007–2010; Chair in 2010).
- Invited talks on wildlife as part of ISU Ag Discovery Days (2006 and 2007).

### **Professional affiliations**

- The Wildlife Society (1997–present)
  - Biometrics Working Group: elected Board Member (2004), Nominating Committee (2007), Chair-Elect (2010), Chair (2011), Past Chair (2012)
  - Iowa Chapter (2005–present), Member-at-large Board Member (2013)
  - Member of committee that proposed to host the 2015 National Conference (runner-up proposal)
- American Ornithologists’ Union (1994–present)
- Wilson Ornithological Society (1994–present)
- Cooper Ornithological Society (1993–present)
- Iowa Ornithologists’ Union (1983–present)
  - Editor, *Iowa Bird Life* (2010–present)
  - President (2009–2010)
  - Chair, Breeding Bird Atlas committee (2007–present)

### **PROFESSIONAL DEVELOPMENT**

- R programming workshop (Iowa State University, 2013).
- Participation in the Iowa State University VIG/RE discussion group for ecologists and statisticians (2005–2008; supported by a National Science Foundation grant).
- Participation in a Project LEA/RN discussion group at Iowa State University (2005).

### **AWARDS AND RECOGNITION**

- Voted a Fellow of the American Ornithologists’ Union (2011)
- Voted an Elective Member of the American Ornithologists’ Union (2006)
- Elected member of Xi Sigma Pi Honor Society (2004)
- Elected member of Phi Kappa Phi Honor Society (2003)
- U. S. Fish and Wildlife Service Achievement Award (2000)
- U. S. Fish and Wildlife Service Achievement Award (1999)

- Myrle Burk Scholarship for Ornithology (1999)
- National Biological Service Achievement Award (1995)
- J. N. "Ding" Darling Scholarship for Outdoor Writing (1990)