

Curriculum Vitae

BENJAMIN STONE SEDINGER

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EDUCATION

- 2018** Ph.D., Program in Ecology, Evolution and Conservation Biology,
University of Nevada Reno, Reno, NV.
Advisors: Dr. Kelley M. Stewart & Dr. Chris A. Nicolai
Dissertation: *Population ecology of wood ducks under
experimental manipulation of harvest.*
- 2007** B.S. Wildlife ecology and management, University of Nevada Reno,
Reno, NV

PROFESSIONAL EXPERIENCE

- 7/2019 –** **Assistant professor and Kennedy Grohne Chair in
Waterfowl and Wetlands Conservation,** College of Natural
Resources, University of Wisconsin Stevens Point
- 7/2018 – 6/2019** **Postdoctoral Researcher,** University of Nevada Reno
Supervisor: Dr. Perry Williams
Research duties: Analysis and write-up of waterfowl band-
recovery data in North America.

PEER REVIEWED PUBLICATIONS

- T. Riecke, **Sedinger, B.**, Williams, P., Leach, A., Sedinger, J. 2019. Estimating
correlations among demographic parameters in population models. *In
review*

- B. Sedinger**, Riecke, T., Nicolai, C., Stewart, K. 2019. Experimental harvest regulations reveal that climate, not harvest, drives population change in Nevada wood ducks. *Ecology and Evolution*. *In review*
- T. Riecke, Behnke, T., Gibson, D., Leach, A., **Sedinger, B.**, Street, P., Sedinger, J. 2019. Integrated population models: bias and inference. *Methods in Ecology and Evolution*.
- B. Sedinger**, Nicolai, C., Stewart, K. 2018. On the importance of having a good mother: maternal investment affects duckling mortality risk in wood ducks. *Journal of Avian Biology*.
- B. Sedinger**, Sedinger, J., Espinosa, S., Atamian, M. and Blomberg, E. 2011. Spatial-Temporal Variation in Survival of Harvested Sage-Grouse. *Studies in Avian Biology No. 39: Ecology, Conservation and Management of Grouse*.
- T. Kuiken, **Sedinger, B.**, Zhang, H. Gustin, M., Lindberg, S. 2007. Mercury Emission From Terrestrial Background Surfaces of the Eastern USA: II. Air/surface Exchange of Mercury Within Various Types of Forests From South Carolina to New England. *Applied Geochemistry*, 23(3): 356-368.

PUBLICATIONS IN PROCESS

- B. Sedinger**, T. Riecke, P. Williams, T. Arnold, C. Feldheim, D. Koons, F. Rohwer, & J. Sedinger. Cross-seasonal survival models reveal hidden harvest compensation in North American mallard populations. *In Prep*
- T. Riecke, **Sedinger, B.**, Arnold, T., Feldheim, C., Koons, D., Rohwer, F., Williams, P., Sedinger, J. Abundance drives cause-specific teal mortality. *In prep*
- T. Riecke^{CO}, **B. Sedinger**^{CO}, R. Alisauskas, T. Arnold, C. Feldheim, D. Koons, J. Leafloor, F. Rohwer, P. Williams & J. Sedinger. Greenheads: rethinking the effects of harvest on waterfowl populations. *In prep*

OTHER PUBLICATIONS

- B. Sedinger. So long Nevada, you have been good to me. Nevada Waterfowl Association Online Flyer. Summer 2019.
- B. Sedinger.** An update on the Fallon wood duck project harvest experiment. Nevada Waterfowl Association Flyer. Summer 2017.
- B. Sedinger.** Bag Limits: Do they give us the result we want? California Waterfowl Association Magazine. Summer 2016.
- B. Sedinger.** Notes from the field, the Nevada wood duck project. The Nevada chapter of the wildlife society newsletter. 2014.
- B. Sedinger.** Current Wood Duck Project. Nevada Waterfowl Association Flyer. July 2013.

PROFESSIONAL PRESENTATIONS

- B. Sedinger,** Riecke, T., Nicolai, C., Stewart, K. Climatic conditions but not harvest drive annual variation in Nevada wood ducks. The Wildlife Society Western Section Meeting, Reno, NV, January 2019.
- B. Sedinger,** Nicolai, C., Stewart, K. On the importance of a good mother: maternal investment affects duckling mortality risk in wood ducks? The Wildlife Society Western Section Meeting, Reno, NV, February 2018.
- B. Sedinger,** Nicolai, C., Stewart, K. Exploring compensation in duck mortality: How do duck populations respond to harvest? The Wildlife Society Western Section Meeting, Reno, NV, February 2017.
- B. Sedinger,** Nicolai, C., Stewart, K. Exploring compensation in duck mortality: do harvest regulations really matter? The Wildlife Society National Meeting, Raleigh, NC, October 2016.
- B. Sedinger,** Nicolai, C., Stewart, K. Population density and habitat condition drives dynamics of a small wood duck population in Western Nevada. North American Ornithological Conference, Washington D.C. August 2016.
- B. Sedinger,** Nicolai, C., Stewart, K. Exploring compensation in duck mortality: do harvest regulations really matter? Nevada Chapter of the Wildlife Society Annual Meeting, Reno, NV, March 2016.

- B. Sedinger**, Nicolai, C., Stewart, K. Exploring compensation in duck mortality: do harvest regulations really matter? 7th North American Duck Symposium, Annapolis, MD, February 2016.
- Nicolai, C. A. and **B. S. Sedinger**. Geolocators, breeding probability, and associated individual heterogeneity in three species of ducks. Oral Presentation. 7th North American Duck Symposium, Annapolis, MD, February 2016
- B. Sedinger**, Nicolai, C., Stewart, K. Not all ducks are created equal: heterogeneity in adult and duckling survival rates of wood ducks in Nevada. American ornithologists' union meeting, Norman, OK, July 2015.
- B. Sedinger**, Nicolai, C., Stewart, K. Factors Influencing Variation in Recruitment in a Small Population of Wood Ducks in Western Nevada. Wood duck workshop, UC Davis, CA, February 2015.
- C. A. Nicolai and **B. S. Sedinger**. Geolocators on wood ducks in Nevada. Oral Presentation. Wood duck workshop, UC Davis, CA. February 2015.
- B. Sedinger**, Nicolai, C., Stewart, K. Factors Affecting First Month Survival of Wood Ducks in Western Nevada. Nevada Chapter of the Wildlife Society Annual Meeting, Reno, NV, February 2015.
- B. Sedinger**, Nicolai, C., Stewart, K. Factors Affecting First Month Survival of Wood Ducks in Western Nevada. Western section of the Wildlife Society Annual Meeting, Santa Rosa, CA, January 2015.
- B. Sedinger**, Nicolai, C., Stewart, K. Variation in Wood Duck Use of Cavity Type: Does It Matter? Western Section of the Wildlife Society Annual Meeting, Reno, NV, January 2014.
- B. Sedinger**, Nicolai, C., Stewart, K. Multistate Approach to Estimating Duckling Survival of Wood Ducks. 3rd Pacific Flyway Wood Duck Symposium, Yolo Bypass Wildlife Area, CA, April 2013.
- B. Sedinger**, Nicolai, C., Stewart, K. Multistate approach to estimating duckling survival of wood ducks. Ecology and Conservation of North American Waterfowl Conference, Memphis, TN, January 2013.

Duke, J., S. M. Olson, **B. S. Sedinger**, and C. A. Nicolai. Monthly variation in body size and weight by encounter method from year round encounters of individuals from an intensively marked population of ducks. Oral Presentation, Ecology and Conservation of North American Waterfowl Symposium and Conference, Memphis, TN. January 2013.

Nicolai, C. A., J. Duke, S. M. Olson, and **B. S. Sedinger**. 2013. Insights from year-round encounters of Wood Ducks in Nevada. Oral Presentation, Ecology and Conservation of North American Waterfowl Symposium and Conference, Memphis, TN. January 2013.

B. Sedinger, Sedinger, J., Espinosa, S., Atamian, M. Environmentally Associated Large Scale Variation in Sage-Grouse Survival in Nevada. International Grouse Symposium, Whitehorse, YT, Canada, September 2008.

B. Sedinger, Allochthonous Nutrient Input by Wintering Waterfowl. Student World Water Forum, Reno, NV, Fall 2007.

OTHER PRESENTATIONS

B. Sedinger, Riecke, T. Harvest dynamics of North American waterfowl. Nevada Department of Wildlife, Reno, NV, January 2019.

Nicolai, C. A. and **B. S. Sedinger**. 2016. Waterfowl studies in Nevada: Mostly wood ducks. Keynote Speaker, February Mississippi Flyway meeting, Pineville, LA.

B. Sedinger. Annual Wood Duck Project Update. 6th Annual Fallon Wood Duck Fundraising Event. Fallon, NV. 2015

B. Sedinger. Ducks along the Carson River. Fallon High School FFA. Fallon, NV. 2013

PROFESSIONAL SERVICE

Board of Directors, Nevada Waterfowl Association (2015 – 2019)

University of Nevada Reno (2012 – 2018)

- Student representative for Natural Resources and Environmental Science fire ecologist faculty search

- Student representative for admissions committee to determine admissibility for incoming PhD students
- Student president for Ecology, Evolution and Conservation Biology PhD program (2016)
- Student ecolunch (weekly, student led research presentations) coordinator for (2014)

PROFESSIONAL MEMBERSHIP

American Ornithological Society

The Wildlife Society

GRANTS AND AWARDS

2018 Delta Waterfowl Research Grant \$353,721

Understanding correlations among harvest, survival, and abundance of North American waterfowl populations