

THOMAS V RIECKE

James K. Ringelman Chair in Waterfowl Conservation
Wildlife Biology Program, University of Montana

RESEARCH INTERESTS

My research focuses on the collection and use of long-term demographic data to better understand the interactive impacts of environmental variation, climate, and human actions on the population trends and evolutionary ecology of wild organisms. I use models to quantify the contribution of different demographic components to population growth rates, and seek to work collaboratively across a range of ecological and evolutionary disciplines to address questions relevant to life-history evolution, applied ecology, and conservation decision making.

PROFESSIONAL APPOINTMENTS

Assistant Professor, University of Montana Wildlife Biology Program, Department of Ecosystem and Conservation Sciences	2023–
Postdoctoral Research Associate, Swiss Ornithological Institute Population Dynamics Section, Ecology Department	2020-2022
Postdoctoral Research Assistant, University of Nevada, Reno Department of Natural Resources and Environmental Science	2020

EDUCATION

PhD, University of Nevada, Reno <i>Perturbations and heterogeneity: estimating demographic rates of brant in western Alaska</i> Graduate Program in Ecology, Evolution, and Conservation Biology Advisor: Dr. James S. Sedinger	2020
MSc, Stephen F. Austin State University <i>Lead exposure and nesting ecology of black-necked stilts on the Upper Texas Coast</i> Arthur Temple College of Forestry and Agriculture Advisor: Dr. Warren C. Conway	2013
BA, Austin College Biology, minor in Environmental Studies	2009

PUBLICATIONS

*denotes an undergraduate or postbaccalaureate collaborator

IN REVISION OR REVIEW

Gibson D, **Riecke TV**, Catlin DH, Hunt KL, Friedrich MJ, Karpanty SM, Koons DK, Fraser JD (**in review**) Climate change and industrial fishing practices codetermine survival of a long-lived seabird. *Global Change Biology*.

Riecke TV, Ravussin P-A, Gibson D, Schaub M (**in review**) A hierarchical population model for the estimation of latent breeding conditions and demographic rates of a nomadic predator. *Journal of Animal Ecology*.

Forister ML, Grames EM, Halsch CA, Burls KJ, Carroll CF, Bell KL, Jahner JP, Bradford T, Zhang J, Cong Q, Grishin NV, Glassberg J, Shapiro AM, **Riecke TV** (**in revision**) Assessing status and risk for western butterflies in the context of climate change, demographic uncertainty, and heterogeneous data sources. *Ecological Monographs*.

Riecke TV, Hegelbach J, Schaub M (**in revision**) Senescence and mating strategy interact and conflict to drive reproductive success in a passerine. *Journal of Animal Ecology*.

PUBLISHED (30)

Riecke TV, Lohman MG*, Sedinger BS, Arnold TW, Feldheim CL, Koons DN, Rohwer FC, Williams PJ, Sedinger JS (**2022**) Density-dependence produces spurious relationships among demographic parameters in harvested species. *Journal of Animal Ecology*.

Riecke TV, Gibson D, Sedinger JS, Schaub M (**2022**) Zero-inflated count distributions for capture-mark-reencounter data. *Ecology and Evolution*, draft available on Authorea.

Ellis SL*, Lohman MG*, Sedinger JS, Williams PJ, **Riecke TV** (**2022**) Sex ratios of juvenile North American ducks: long-term trends and drought. *Ecology and Evolution*, draft available on Authorea.

Street PA, **Riecke TV**, Williams PJ, Behnke TL, Sedinger JS (**2022**) Estimating survival and adoption rates of dependent juveniles. *Ecology and Evolution*, **12**, e9005.

Riecke TV, Sedinger BS, Arnold TW, Gibson D, Koons DN, Lohman MG*, Schaub M, Williams PJ, Sedinger JS (**2022**) A hierarchical model for jointly assessing ecological and harvest effects on animal demography. *Journal of Animal Ecology*, **90**

Koons DN, **Riecke TV**, Boomer GS, Sedinger BS, Sedinger JS, Williams PJ, Arnold TW (**2022**) A niche for null models in adaptive resource management. *Ecology and Evolution*, **12**, e8541.

Thompson JM, **Riecke TV**, Daniels BL, Spragens K, Gabrielson M, Nicolai CA, Sedinger BS (**2022**) Survival and cause-specific mortality of American green-winged teal banded on the Yukon-Kuskokwim Delta, Alaska. *Journal of Wildlife Management*, **86**, e22223

Sedinger JS, Lindberg MS, **Riecke TV**, Leach AG, Nicolai CA, Koons DN (**2022**) Do hunters target auxiliary markers: an example using black brant? *Journal of Wildlife Management*, **86**, e22172.

Riecke TV, Kéry M, Gibson D, Schaub M (**2021**) Sharing detection heterogeneity information among species in community models of occupancy and abundance can strengthen inference. *Ecology and Evolution*, **11**, 18125-18135.

Lohman MG*, **Riecke TV**, Williams PJ, Sedinger JS (**2021**) Individual heterogeneity in fitness in a long-lived herbivore. *Ecology and Evolution*, **11**, 15164-15173.

Riecke TV, Gibson D, Leach AG, Lindberg MS, Schaub M, Sedinger JS (2021) Bayesian mark-recapture-resight-recovery models: increasing user flexibility with the BUGS language. *Ecosphere*, **12**, e03810.

Robinson SG, Gibson D, **Riecke TV**, Fraser J, Bellham HA, DeRose-Wilson A, Karpanty SM, Walker KM, Catlin DH (2020) Piping plover population increase after Hurricane Sandy mediated by immigration and reproductive output. *Ornithological Applications*, **122**, duaa041.

Leach AG, **Riecke TV**, Sedinger JS, Ward DH, Boyd WS (2020) Mate fidelity improves survival and breeding performance in a long-lived bird. *Journal of Animal Ecology*, **89**, 2290-2299.

Acevedo CR*, **Riecke TV**, Leach AG, Lohman MG*, Williams PJ, Sedinger JS (2020) Long-term research and hierarchical models reveal consistent fitness costs of being the last egg in a clutch. *Journal of Animal Ecology*, **89**, 1978-1987.

Van Dellen AW, **Riecke TV**, Leach AG, Nicolai CA, Person BT, Lemons PR, Eicholz MW, Lindberg MS, Schamber JL, Herzog MP, Sedinger JS (2020) Body mass dynamics of brood-rearing female black brant during the remigial moult. *Ibis*, **162**, 1175-1185.

Sedinger JS, **Riecke TV**, Street PA, Fischer JB (2020) Dynamics of dispersed nesting black brant on the Yukon-Kuskokwim Delta. *Journal of Fish and Wildlife Management*, **11**, 112-120.

Riecke TV, Williams PJ, Behnke TL, Gibson D, Leach AG, Sedinger BS, Street PA, Sedinger JS (2019) Integrated population models: model assumptions and inference. *Methods in Ecology and Evolution*, **10**, 1072-1082.

Sedinger BS, **Riecke TV**, Nicolai CA, Woolstenhulme R, Henry WG, Stewart KS (2019) Experimental harvest regulations reveal that climate, not harvest, drives population change in Nevada wood ducks. *Ecology and Evolution*, **9**, 12701-12709.

Riecke TV, Sedinger BS, Williams PJ, Leach AG, Sedinger JS (2019) Estimating correlations among demographic parameters. *Ecology and Evolution*, **9**, 13521-13531.

Riecke TV, Conway WC, Haukos DA, Moon JA, Comer CE (2019) Nest survival of black-necked stilts, *Himantopus mexicanus*, on the upper Texas coast. *Waterbirds*, **42**, 261-271.

Lohman MG*, **Riecke TV**, Acevedo CR*, Person BT, Uher-Koch BD, Schmutz JA, Sedinger JS (2019) Changes in behavior are unable to disrupt a trophic cascade involving a long-lived specialist herbivore and its food plant. *Ecology and Evolution*, **9**, 5281-5291.

Leach AG, Sedinger JS, **Riecke TV**, Van Dellen AW, Ward DH, Boyd WS (2019) Brood size affects future reproduction in a long-lived bird with precocial young. *The American Naturalist*, **193**, 458-471.

Sedinger JS, **Riecke TV**, Leach AG, Ward DH (2019) The black brant population is declining based on mark recapture. *Journal of Wildlife Management*, **83**, 627-637.

Leach AG, Ward DH, Sedinger JS, **Riecke TV**, Hupp JW, Ritchie RJ (2019) Spatial distribution of band recoveries of black brant. *Journal of Wildlife Management*, **83**, 304-311.

Riecke TV, Leach AG, Gibson D, Sedinger JS (2018) Parameterizing the robust design in the BUGS language: lifetime carry-over effects of environmental conditions during growth on a long-lived bird. *Methods in Ecology and Evolution*, **9**, 2294-2305.

Gibson D, **Riecke TV**, Keyes T, Depkin C, Fraser J, Catlin DH (2018) Application of Bayesian robust design model to assess the impacts of a hurricane on shorebird demography. *Ecosphere*, **9**, e02334.

Leach AG, Van Dellen AW, **Riecke TV**, Sedinger JS, (2017) Incubation capacity contributes to maximal clutch size in brant geese *Branta bernicla nigricans*. *Ibis*, **159**, 588-599.

Sedinger JS, Van Dellen AW, Leach AG, **Riecke TV (2017)** Ultimate regulation of fecundity in species with precocial young: declining marginal value of offspring with increasing brood size does not explain maximal clutch size in black brent geese. *Oecologia*, **183**, 431-440.

Riecke TV, Conway WC, Comer CE, Haukos DA, Moon JA (2015) Baseline blood lead levels of black-necked stilts on the upper Texas coast. *Bulletin of Environmental Contamination and Toxicology*, **95**, 465-469.

Riecke TV, Conway WC, Comer CE, Haukos DA, Moon JA (2014) Red imported fire ants, *Solenopsis invicta*, cause black-necked stilt *Himantopus mexicanus* nest abandonment. *Wader Study Group Bulletin*, **121**, 52-53.

MENTORING

UNDERGRADUATE AND POSTBACCALAUREATE STUDENT MENTORING

Sage L. Ellis 2019-2020
Undergraduate/Postbac Research Collaborator, University of Nevada, Reno Research advisor
Current position: MSc Candidate, University of Nevada, Reno

Madeleine G. Lohman 2017-2019
Undergraduate Research Collaborator, University of Nevada, Reno Research advisor
Current position: PhD Candidate, NSF Graduate Research Fellow, University of Nevada, Reno

Cheyenne R. Acevedo 2017-2018
Undergraduate/Postbac Research Collaborator, University of Nevada, Reno Research advisor
Current position: Diversity Biologist, Nevada Department of Wildlife

GRADUATE STUDENT MENTORING

Andrew C. Greenawalt 2020-
MSc Student, University of Wisconsin-Stevens Point Graduate committee member
Current position: MSc Candidate, University of Wisconsin–Stevens Point, USFWS DFP Fellow

TEACHING

Instructor University of Montana
WILD 370, Wildlife Habitat Conservation and Management *Spring 2023*

Instructor University of Nevada, Reno
NRES 488, Dynamics and Management of Wildlife Populations *Fall 2016, Fall 2018*

Graduate Teaching Assistant University of Nevada, Reno
NRES 488, Dynamics and Management of Wildlife Populations *Fall 2017*

Graduate Teaching Assistant Stephen F. Austin State University
FOR 152, Introduction to Wildlife Management *Spring 2012, Fall 2012, Spring 2013*

Invited Guest Lecturer Clemson University
WFB 4800/6800, Waterfowl Ecology and Management Stephen F. Austin State University
FOR 111, Introduction to Forestry Stephen F. Austin State University
FOR 255, Vertebrate Natural History Stephen F. Austin State University
FOR 305, Wildlife Techniques Stephen F. Austin State University
FOR 450/550, Advanced Wildlife Habitat Management Stephen F. Austin State University
FOR 454/554, Non-game Wildlife Ecology Stephen F. Austin State University

FELLOWSHIPS AND AWARDS

Bonnycastle Fellowship in Wetland and Waterfowl Biology	\$38,500
<i>Institute for Wetland and Waterfowl Research, Ducks Unlimited Canada, 2016-2018</i>	
Outstanding Ph. D. Student	
<i>Department of Natural Resources and Environmental Science, University of Nevada, 2019</i>	
1st Place, Ph. D. Student Oral Presentation	
<i>North American Duck Symposium, 2019</i>	
Outstanding Graduate Student Presentation	
<i>North American Arctic Goose Conference, 2018</i>	
Highly Commended Student Poster	
<i>EURING Analytical Meeting, 2017</i>	
3rd Place, Ph. D. Student Oral Presentation	
<i>North American Duck Symposium, 2016</i>	
Dennis Raveling Scholarship	\$2,000
<i>California Waterfowl Association, 2016</i>	

GRANTS

LTREB: Pace of life and differential migration in changing environments	\$635,648
National Science Foundation	2022-2027
Koons DN, Aubry LM, Riecke TV, Sedinger JS	
Funded years 41-45 of demographic data collection at the Tutakoke River black brant colony, training of two graduate students and five undergraduate students at Colorado State University.	
Demography, harvest, and abundance of waterfowl populations	\$354,000
Delta Waterfowl	2018-
Riecke TV, Sedinger BS, Williams PJ, Sedinger JS	
Funded two postdoctoral fellows (Riecke TV & Sedinger BS), a graduate student (<u>Lohman MG</u>), and a postbaccalaureate research assistant (<u>Ellis SL</u>) at the University of Nevada, Reno to examine spatiotemporal changes in demography of North American duck populations.	

PEER REVIEW

Ecology	Ecosphere
Biological Conservation	Ecology and Evolution
Ecography	Journal of Avian Biology
Journal of Animal Ecology	Transactions of the American Fisheries Society
Proceedings of the Royal Society B	The American Midland Naturalist
Ecological Applications	Wildfowl
Oecologia	Wildlife Society Bulletin
Ornithological Applications	

Schaub M, Kéry M. (2022) Integrated population models: theory and ecological applications with R and JAGS. Academic Press, Waltham, MA, USA. *Invited reviewer.*

CONFERENCE CONTRIBUTIONS

*denotes an Undergraduate or Postbaccalaureate Research Collaborator

ORGANIZED SYMPOSIA

Riecke TV, Sedinger BS (2019). Harvest Dynamics and Management, 8th North American Duck Symposium, Winnipeg, MB, 30 August 2019.

Behnke T, Blomberg EJ, Gibson D, Lawson AJ, Matocq MD, Sedinger BS, **Riecke TV**, Street PA, VanDellen AW (2019) Merging practice and life-history theory for gamebird populations: applied and basic solutions to complex management problems. The Wildlife Society's 26th Annual Conference, Reno, NV, 2 October 2019.

INVITED PRESENTATIONS (14)

Riecke TV, Acevedo CR*, Hegelbach J, Kéry M, Leach AG, Koons D, Lohman MG*, Sedinger JS, Williams PJ, Schaub M. Bayesian models for Vogelkunde: phenotypic selection, senescence, and mating systems. Swiss Ornithological Institute, Sempach, Switzerland, 30 November 2020.

Sedinger BS, **Riecke TV**, Williams PJ, Sedinger JS. Cross-seasonal Atlantic Flyway mallard models. Atlantic Flyway Migratory Bird Technical Sections, Portsmouth, NH, 24 February 2020.

Riecke TV, Sedinger BS, Lohman MG*, Williams PJ, Sedinger JS. Demographic analyses and harvest management of mallards in North America. Atlantic Flyway Migratory Bird Technical Sections, Portsmouth, NH, 24 February 2020.

Riecke TV, Sedinger BS, Lohman MG*, Williams PJ, Sedinger JS. Demographic analyses and harvest management of mallards in North America. Assessing Waterfowl Population Dynamics & Harvest, Roseville, CA, 23 January 2020.

Lohman MG*, **Riecke TV**, Sedinger JS, Williams PJ. Spatial variation in mallard survival in the Prairie Pothole Region. Assessing Waterfowl Population Dynamics & Harvest, Roseville, CA, 23 January 2020.

Riecke TV, Williams PJ, Behnke TL, Gibson D, Leach AG, Sedinger BS, Street PA, Sedinger JS. Integrated population models: model assumptions and inference. The Wildlife Society's 26th Annual Conference, Reno, NV, 2 October 2019.

Sedinger BS, **Riecke TV**, Sedinger JS, Rohwer FC, Feldheim CL, Williams PJ. Rethinking harvest management from a life-history perspective. The Wildlife Society's 26th Annual Conference, Reno, NV, 3 October 2019.

Sedinger JS, **Riecke TV**, Sedinger BS, Blomberg EJ. Longitudinal data and life-history theory: how should we guide the future of gamebird management? The Wildlife Society's 26th Annual Conference, Reno, NV, 3 October 2019.

Riecke TV, Sedinger BS, Arnold TW, Feldheim CL, Koons DN, Rohwer FC, Williams PJ, Sedinger JS. Abundance drives cause-specific teal mortality. 8th North American Duck Symposium, Winnipeg, MB, 30 August 2019.

Sedinger BS, **Riecke TV**, Arnold TW, Feldheim CL, Lohman MG*, Rohwer FC, Alisauskas RT, Koons DN, Sedinger JS, Williams PJ. Cross-seasonal models reveal evidence for density-dependence, climate-mediated survival, and harvest compensation in mallards. 8th North American Duck Symposium, Winnipeg, MB, 30 August 2019.

Lohman MG*, **Riecke TV**, Sedinger JS, Williams PJ. Spatiotemporal variation in waterfowl demography, 8th North American Duck Symposium, Winnipeg, MB, 30 August 2019.

Sedinger JS, **Riecke TV**, Sedinger BS. Waterfowl population models: new biological findings and harvest management. 8th North American Duck Symposium, Winnipeg, MB, 30 August 2019.

Riecke TV, Sedinger JS. Integrated population models: bias and inference. 7th North American Duck Symposium, Annapolis, MD, 4 February 2016.

Arnold TW, Clark RG, Koons DN, Osnas EE, **Riecke TV**, Schaub M, Weegman MD. Integrated population models to inform waterfowl ecology and conservation: pitfalls and promises. 7th North American Duck Symposium, Annapolis, MD, 4 February 2016.

CONTRIBUTED PRESENTATIONS (30)

Forister ML, Grames E, **Riecke TV**, Burls K, Halsch C, Carroll C, Bell K, Jahner J, Bradford T, Shapiro A, Glassberg J. Butterflies in the western US: a regional assessment and synthesis of population trends and risks. 6th North American Congress for Conservation Biology, Reno, NV, July 2022

Greenawalt A, **Riecke TV**, Fowler D, Sedinger BS. Mortality dynamics of wood ducks that breed in the Upper Mississippi Great Lakes Region. The Wildlife Society's 28th Annual Conference, Virtual, November 2021.

Greenawalt A, **Riecke TV**, Fowler D, Sedinger BS. Mortality dynamics of wood ducks that breed in the Upper Mississippi Great Lakes Region. Mississippi Flyway Council Meeting, Virtual, August 2021.

Greenawalt A, **Riecke TV**, Fowler D, Sedinger BS. Survival and mortality process of wood ducks in the Upper Mississippi Great Lakes Region. The Wisconsin Chapter of The Wildlife Society Meeting, Virtual, February 2021.

Riecke TV, Sedinger BS, Lohman MG*, Williams PJ, Sedinger JS. How well do harvest management models work? Nevada Chapter of the Wildlife Society Science Symposium, Reno, NV, March 2020.

Lohman MG*, **Riecke TV**, Williams PJ. Examining spatiotemporal variation in mid-continent mallard demography. Nevada Chapter of the Wildlife Society Science Symposium, Reno, NV, March 2020.

Riecke TV, Sedinger BS, Sedinger JS. Estimating process correlations with capture-mark-recovery and capture-mark-recapture data: understanding life-history trade-offs in Pacific black brant. 14th North American Arctic Goose Conference, Lincoln, NE, March 2018.

Riecke TV, Leach AG, Sedinger JS. Climatic oscillations drive selection in a long-lived specialist herbivore. 14th North American Arctic Goose Conference, Lincoln, NE, March 2018.

Acevedo CR*, **Riecke TV**, Leach AG, Lohman MG*, Sedinger JS. Are all eggs created equal: hierarchical models reveal fitness constraints in a long-lived bird. NV Chapter of the Wildlife Society, Reno, NV, February 2018.

Lohman MG*, **Riecke TV**, Acevedo CR*, Sedinger JS. Changes in behavior are unable to disrupt a trophic cascade involving a long-lived specialist herbivore and its food plant. NV Chapter of the Wildlife Society, Reno, NV, February 2018.

Riecke TV, Sedinger BS, Sedinger JS. An accidental harvest experiment. NV Chapter of the Wildlife Society, Reno, NV, February 2018.

Riecke TV, Leach AG, Van Dellen AW, Sedinger JS. Using integrated population models to inform management of Pacific black brant populations on the Yukon-Kuskokwim River Delta. The Western Section of the Wildlife Society Annual Meeting, Reno, NV, February 2017.

Street PA, **Riecke TV**, Sedinger JS. Minimizing model and design based sources of bias when estimating juvenile survival from counts of offspring with a marked parent. The Western Section of the

Wildlife Society Annual Meeting, Reno, NV February 2017.

Street PA, **Riecke TV**, Sedinger JS. Minimizing model and design based sources of bias when estimating juvenile survival from counts of offspring with a marked parent. The Wildlife Society's 23rd Annual Conference, Raleigh, NC, October 2016.

Sedinger JS, Leach AG, Van Dellen AW, **Riecke TV**, Ward DH, and Boyd WS. Cross-seasonal demographic effects and fitness in black brant. North American Ornithological Congress, Washington, DC, August 2016.

Riecke TV, Leach AG, Sedinger JS. Long-term effects of nest predation on future reproductive investment. North American Ornithological Congress, Washington, DC, August 2016.

Riecke TV, Leach AG, Sedinger JS, Ward DH, Boyd WS. How do long-lived waterfowl respond to latitudinal fitness variation? 7th North American Duck Symposium, Annapolis, MD, February 2016.

Leach AG, Sedinger JS, **Riecke TV**, Ward DH, Boyd WS. Probability of mate change and its effects on demographic rates of black brant. 7th North American Duck Symposium, Annapolis, MD, February 2016.

Riecke TV, Leach AG, Sedinger JS. 2015. Senescence, heterogeneity, and population age distributions affect population viability in long-lived birds. American Ornithologists Union (133rd Stated Meeting) and Cooper Ornithological Society (85th Stated Meeting) Joint Meeting, Norman, OK, August 2015.

Riecke TV, Leach AG, Sedinger JS, Ward DH, Boyd WS. How do long-lived birds respond to latitudinal fitness variation. American Ornithologists Union (133rd Stated Meeting) and Cooper Ornithological Society (85th Stated Meeting) Joint Meeting, Norman, OK, July 2015.

Leach, AG, Sedinger JS, **Riecke TV**, Ward DH, Boyd WS. Effects of pair-bond dynamics on rates of survival and breeding in adult Black Brant. American Ornithologists Union (133rd Stated Meeting) and Cooper Ornithological Society (85th Stated Meeting) Joint Meeting, Norman, OK, July 2015.

Riecke TV, Leach AG, Sedinger JS. Latent effects of initial maternal investment and quality on pre-fledging survival in black brant. 13th North American Arctic Goose Conference, Winnipeg, MB, April 2015.

Leach AG, Sedinger JS, **Riecke TV**, Ward DH, Boyd WS. 2015. Effects of mate quality and pair-bond dynamics on rates of survival and breeding in black brant. 13th North American Arctic Goose Conference, Winnipeg, MB, April 2015.

Riecke TV, Gibson D, Street PA, Conway WC, Sedinger JS. Modelling ungulate demography from count data using modified open N-mixture models. Nevada Chapter of the Wildlife Society, Reno, NV, February 2015.

Riecke TV, Leach AG, Sedinger JS. Reproductive investment and success indicate senescence and individual heterogeneity in black brant. Western Section of the Wildlife Society Annual Meeting, Santa Rosa, CA, January 2015.

Riecke TV, Conway WC, Comer CE, Haukos DA, Moon JA. Causes of black-necked stilt nest failure at Anahuac National Wildlife Refuge, Texas Chapter of The Wildlife Society 49th Annual Meeting, Houston, TX, February 2013.

Riecke TV, Conway WC, Comer CE, Haukos DA, Moon JA. Blood lead levels of black-necked stilts on the Texas Chenier Plain National Wildlife Refuge Complex. Texas Chapter of The Wildlife Society, 49th Annual Meeting, Houston, TX, February 2013.

Riecke TV, Conway WC, Comer CE, Haukos DA, Moon JA. Nest success and nest site selection of black-necked stilts on the Texas Chenier Plain National Wildlife Refuge Complex. Texas Chapter of

The Wildlife Society, 48th Annual Meeting, Fort Worth, TX, February 2012.

Riecke TV, Conway WC, Comer CE, Haukos DA, Moon JA. Nest success and nest site selection of black-necked stilts on the Texas Chenier Plain National Wildlife Refuge Complex. Texas Chenier Plain National Wildlife Refuge. Anahuac, TX, February 2012.

Riecke TV. The status and distribution of pileated woodpeckers in north central Texas. Austin College Undergraduate Biology Seminar, Sherman, TX, February 2009.

CONTRIBUTED POSTERS (12)

Riecke TV, Gibson D, Kéry M, Schaub M. Leveraging detection information among species in community models of occupancy and abundance. EURING Analytical Meeting and Workshop, Québec City, PQ, Canada, 9 June 2021.

Lohman MG*, **Riecke TV**, Williams PJ. Examining spatiotemporal variation in waterfowl demography. The Wildlife Society's 26th Annual Conference, Reno, NV, 1 October 2019.

Acevedo CR*, **Riecke TV**, Leach AG, Lohman MG*, Sedinger JS. Are all eggs created equal: hierarchical models reveal fitness constraints in a long-lived bird. 14th North American Arctic Goose Conference, Lincoln, NE, 14 March 2018.

Lohman MG*, **Riecke TV**, Acevedo CR*, Sedinger JS. Changes in behavior are unable to disrupt a trophic cascade involving a long-lived specialist herbivore and its food plant. 14th North American Arctic Goose Conference, Lincoln, NE, 14 March 2018.

Riecke TV, Leach AG, and Sedinger JS. Integrated population models: bias and inference. EURING Analytical Meeting and Workshop, Barcelona, Spain, 5 July 2017.

Riecke TV, Leach AG, Sedinger JS. Parameterizing the robust design in a Bayesian framework: integrating data to estimate violation of the closure assumption. EURING Analytical Meeting and Workshop, Barcelona, Spain, 5 July 2017.

Whitson MD, **Riecke TV**, Conway WC, Haukos DA, Moon JA, Walther P. Waterfowl identification skills by duck hunters on the upper Texas coast. 7th North American Duck Symposium, Annapolis, MD, 4 February 2016.

Riecke TV, Leach AG, Sedinger JS. Do individual heterogeneity and age structure limit the reproductive potential of goose populations? 13th North American Arctic Goose Conference, Winnipeg, MB, 15 April 2015.

Riecke TV, Leach AG, Sedinger JS. Effects of laying order and egg volume on black brant apparent pre-fledging survival rates. Western Section of the Wildlife Society Annual Meeting, Santa Rosa, CA, 28 January 2015.

Riecke TV, Moon JA, Haukos DA, Sedinger JS, Conway WC, Walther PS. An integrated population model for mottled ducks in Texas: harvest, habitat, and survival. Western Section of the Wildlife Society Annual Meeting, Santa Rosa, CA, 28 January 2015.

Riecke TV, Conway WC, Comer CE, Haukos DA, and Moon JA. Lead exposure and nesting ecology of black-necked stilts on the upper Texas coast. Bright Ideas Conference, Stephen F. Austin State University, Nacogdoches, TX, 11 April 2013.

Riecke TV, Conway WC, Comer CE, Haukos DA, Moon JA. Nest success and nest site selection of black-necked stilts on Anahuac National Wildlife Refuge. Bright Ideas Conference, Stephen F. Austin State University, Nacogdoches, TX, 11 April 2012.

REFERENCES

Dr. James S. Sedinger (*PhD advisor*)

Foundation Professor *Emeritus*

Department of Natural Resources and Environmental Science, University of Nevada, Reno
Reno, NV 89557

Dr. Michael Schaub (*Postdoc advisor*)

Head, Ecology Department

Swiss Ornithological Institute

CH-6204 Sempach, Switzerland

Dr. David N. Koons (*Collaborator*)

Professor & James C. Kennedy Endowed Chair of Wetland and Waterfowl Conservation

Warner College of Natural Resources, Colorado State University

Fort Collins, Colorado 80523

Dr. Warren C. Conway (*MSc advisor*)

Professor & Bricker Endowed Chair in Wildlife Management

Department of Natural Resources Management, Texas Tech University

Lubbock, TX 79409

Dr. Perry J. Williams (*Postdoc advisor*)

Assistant Professor

Department of Natural Resources and Environmental Science, University of Nevada, Reno

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