

# Echo Travel Award Recipients

## 2025

**Alec Schindler**, PhD. *Energetic trade-offs in decision-making, reproductive effort, and subsequent parental care in Greenland white-fronted geese*, University of Saskatchewan.

## 2024

**Nick Masto**, PhD. *Functional connectivity and use of waterfowl sanctuaries for wintering mallards in the Mississippi Alluvial Valley*, Tennessee Technological University.

## 2023

**Sarah Clements**, PhD. *Habitat and environmental drivers of shorebird energy expenditure at contrasting non-breeding sites within a management unit*, University of Missouri.

## 2022

**Casey Setash**, PhD. *Effects of GPS transmitters on waterfowl annual survival across the life-history spectrum*, Colorado State University.

## 2021

**Zhe Zhang**, PhD. *Cooling effects of wetlands to mitigate climate change – a study of the North America Prairie Pothole Region*, University of Saskatchewan.

## 2020

**Matt Dyson**, PhD. *Waterfowl nest success in the Western Boreal Forest: Does industrial development alter predation rates?*, University of Waterloo.

## 2019

**Kelsey Navarre**, MSc. *Temporal covariation of demographic rates in Lesser Scaup (*Aythya affinis*) and management implications*, Colorado State University.

## 2018

**Kyle Kuechle**, MSc. *Quantifying neonicotinoid concentrations in Missouri public wetlands and the corresponding threat to aquatic food webs*, University of Missouri.

# IWWR Student Publication Award Recipients

## 2024

**Masto, N.M.**, A.G. Blake-Bradshaw, C.J. Highway, A.C. Keever, J.C. Feddersen, H.M. Hagy, and B.S. Cohen. 2024. *Human access constrains optimal foraging and habitat availability in an avian generalist*. *Ecological Applications* 34:e2952.

## 2022

**Riecke, T.V.**, M.G. Lohman, B.S. Sedinger, T.W. Arnold, C.L. Feldheim, D.N. Koons, F.C. Rohwer, M. Schaub, P.J. Williams, and J.S. Sedinger. 2022. Density-dependence produces spurious relationships among demographic parameters in a harvested species. *Journal of Animal Ecology* 91:2261-2272.

**Srayko, S.H.**, T.D. Jardine, I.D. Phillips, and D.P. Chivers. 2022. Seasonal mass migration of water boatmen (Hemiptera: Corixidae) as a wetland–river linkage and dietary subsidy to riverine fish. *Ecosystems* 25:1571-1588.

## 2021

**Messmer, D.J.**, R.T. Alisauskas, H. Pöysä, P. Runko, and R.G. Clark. 2021. Plasticity in timing of avian breeding in response to spring temperature differs between early and late nesting species. *Scientific Reports* 11:5410.

**Zhang, Z.**, L.E. Bortolotti, Z. Li, L.M. Armstrong, T.W. Bell, and Y. Li. 2021. Heterogeneous changes to wetlands in the Canadian prairies under future climate. *Water Resources Research* 57:e2020WR028727.

## 2020

**Dyson, M.E.**, S.M. Slattery, and B.C. Fedy. 2020. Nest Predators of Ducks in the Boreal Forest. *Wildlife Society Bulletin* 44(3):631–639.

**Zhang, Z.**, Y. Li, M. Barlage, F. Chen, G. Miguez-Macho, A. Ireson, and Z. Li. 2020. Modeling groundwater responses to climate change in the Prairie Pothole Region. *Hydrology and Earth System Sciences* 24:655-672.

## 2019

**Janke, A.K.**, M.J. Anteau, and J.D. Stafford. 2019. Prairie wetlands confer consistent migrant refueling conditions across a gradient of agricultural land use intensities. *Biological Conservation* 229: 99-112.

**Kuechle, K.J.**, E.B. Webb, D. Mengel, and A.R. Main. 2019. Factors influencing neonicotinoid concentrations in floodplain wetland sediments across Missouri. *Environmental Science & Technology* 53:10591-10600.

## 2018

**Iles, D.T.**, R.F. Rockwell, and D.N. Koons. 2018. Reproductive success of a keystone herbivore is more variable and responsive to climate in habitats with lower resource density. *Journal of Animal Ecology* 87: 1182-1191.

**Johns, D.W.**, T.A. Marchant, G.D. Fairhurst, J.R. Speakman, and R.G. Clark. 2018. Biomarker of burden: Feather corticosterone reflects energetic expenditure and allostatic overload in captive waterfowl. *Functional Ecology* 32: 345-357.

## **2017**

**Ross, M.V.**, R.T. Alisauskas, D.C. Douglas, and D.K. Kellett. 2017. Decadal declines in avian herbivore reproduction: density-dependent nutrition and phenological mismatch in the Arctic. *Ecology* 98: 1869-1883.

## **2016**

**Finger, T.A.**, A.D. Afton, M.L. Schummer, S.A. Petrie, S.S. Badzinski, M.A. Johnson, M.L. Szymanski, K.J. Jacobs, G.H. Olsen, and M.A. Mitchell. 2016. Environmental factors influence lesser scaup migration chronology and population monitoring. *Journal of Wildlife Management* 80: 1437-1449. [Read story.](#)

**Provencher, J.F.**, M.R. Forbes, H.L. Hennin, O.P. Love, B.M. Braune, M.L. Mallory, and H.G. Gilchrist. 2016. Implications of mercury and lead concentrations on breeding physiology and phenology in an Arctic bird. *Environmental Pollution* 218: 1014-1022. [Read story.](#)

## **2015**

**Harms, N.J.**, P. Legagneux, H.G. Gilchrist, J. Bêty, O.P. Love, M.R. Forbes, G.R. Bortolotti, and C. Soos. 2015. Feather corticosterone reveals effect of moulting in the autumn on subsequent reproductive output and survival in an Arctic migratory bird. *Proceeding of the Royal Society B* 282: 20142085. [Read story.](#)

**Lavretsky, P.**, J.M. Dacosta, B.H. Hernández-Baños, A. Engilis Jr., M.D. Sorenson, and J.L. Peters. 2015. Speciation genomics and a role for the Z chromosome in the early stages of divergence between Mexican ducks and mallards. *Molecular Ecology* 24: 5364-5378. [Read story.](#)

## **2014**

**Barker, N.K.S.**, S.G. Cumming, and M. Darveau. 2014. Models to predict the distribution and abundance of breeding ducks in Canada. *Avian Conservation & Ecology* 9: 7.

## **2013**

No award given.

## **2012**

**Nicolai, C.A.**, J.S. Sedinger, D.H. Ward, and W.S. Boyd. 2012. Mate loss affects survival but not breeding in black brant geese. *Behavioral Ecology* 23: 643-648.

## **2011**

**Coulton, D.W.**, R.G. Clark, D.W. Howerter, M.G. Anderson, and L.I. Wassenaar. 2011. Costs and benefits of natal dispersal in yearling mallards *Anas platyrhynchos*. *Journal of Avian Biology* 42: 123-133.

## **2010**

**Schummer, M.L.**, S.S. Badzinski, S.A. Petrie, Y.-W. Chen, and N. Belzile. 2010. Selenium accumulation in sea ducks wintering at Lake Ontario. *Archives of Environmental Contamination and Toxicology* 58:854-862.

**Card, S.M.** and S.A. Quideau. 2010. Microbial community structure in restored riparian soils of the Canadian prairie pothole region. *Soil Biology and Biochemistry* 42: 1463-1471.