

### **Education History**

Ph.D. (Forestry & Environmental Studies) – Yale University (2010)

M.Ph. (Forestry & Environmental Studies) – Yale University (2007)

B.Sc. (Ecology & Evolutionary Biology/Marine Biology) – University of California, Santa Cruz (2003)

### **Appointments**

Associate Professor, Northern Illinois University (August 2012 – current). Joint-appointed to Department of Biological Sciences and Institute for the Study of the Environment, Sustainability, and Energy

Science, Technology, and Environment Advisory Committee, Congresswoman Lauren Underwood (April 2019-current)

Guest Editor for Special Feature, *Journal of Ecology* (January 2019-August 2019)

Associate Editor, *Conservation Science and Practice* (December 2018-current)

Associate Editor, *Biological Invasions* (July 2016-current)

Associate Editor, *Ecological Restoration* (May 2015-current)

Research Associate, Institute for Applied Ecology New Zealand, Auckland University of Technology (September 2015 - current)

Visiting Postdoctoral Scholar, UC Santa Cruz (August 2010 – August 2012), Environmental Studies Department. Advisor: Erika Zavaleta

Ecosystem Recovery and Resilience Consultant, The Nature Conservancy (TNC) and UC Santa Cruz (January 2011 – September 2011). Supervisor: Peter Kareiva

Ecosystem-based Adaptation Consultant, Conservation International and UC Santa Cruz (August 2010 – August 2012). Supervisor: David Hole

### **Publications**

**Peer reviewed journal articles.** \*Indicates graduate or undergraduate students

1. Blowes, S.A. Supp, S.R., Antão, L.H. Bates, A., Bruelheide, H., Chase, J.M., Moyes, F., Magurran, A., McGill, B., Myers-Smith, I., Winter, M., Bjorkman, A.D., Bowler, D., Byrnes, J., Gonzalez, A., Hines, J., Isbell, F., **Jones, H.P.**, Navarro, L.M., Thompson, P., Vellend, M., Waldock, C., Dornelas, M. The geography of biodiversity change in marine and terrestrial assemblages. *Nature*. In press.
2. **Jones, H. P.**, Barber, N. A., & Gibson, D. J. (2019). Is phylogenetic and functional trait diversity a driver or a consequence of grassland community assembly? *Journal of Ecology*, 107(5), 2027-2032.
3. Barber, N. A., Farrell, A. K. \*, Blackburn, R. C. \*, Bauer, J. T., Groves, A. M., Brudvig, L. A., & **Jones, H. P.** (2019). Grassland restoration characteristics influence phylogenetic and taxonomic structure of plant communities and suggest assembly mechanisms. *Journal of Ecology*, 107(5), 2105-2120.
4. **Jones, Holly P.**, Peter C. Jones, Edward B. Barbier, Ryan C. Blackburn\*, Jose M. Rey Benayas, Karen D. Holl, Michelle McCrackin, Paula Meli, Daniel Montoya, and David Moreno Mateos. (2019). We agree with Larkin et al. 2019: restoration is context specific. *Proceedings of the Royal Academy of Sciences B* 286(1907): 20191179.
5. Chase, J. M., McGill, B. J., Thompson, P. L., Antão, L. H., Bates, A. E., Blowes, S. A., Dornelas, M., Gonzalez, A., Magurran, A. E., Supp, S. R., Winter, M., Bjorkman, A. D., Bruelheide, H., Byrnes, J. E., Cabral, J. S., Elahi, R. \*, Gomez, C., Guzman, H. M., Isbell, F., Myers-Smith, I. H., **Jones, H. P.**, Hines, J., Vellend, M., Waldock, C\*. and O'Connor, M. (2019), Species richness change across spatial scales. *Oikos*. In press.
6. **Jones, H.P.**, Campbell, K. J., Burke, A. M. \*, Baxter, G. S., Hanson, C. C., & Mittermeier, R. A. (2018). Introduced non-hominid primates impact biodiversity and livelihoods: management priorities. *Biological Invasions*, 20(9), 2329-2342.

7. Stanford, B.\* , **Jones, H.P.** , & Zavaleta, E.Z. 2018. Meta-analysis of the effects of upstream land cover on stream recovery. In press at *Conservation Biology*.
8. **H.P. Jones**, P.C. Jones, E.B. Barbier, R.C. Blackburn\*, J.M.R. Benayas, K.D. Holl, M. McCrackin, P. Meli, D. Montoya, D.M. Mateos. 2018. Restoration and repair of Earth's damaged ecosystems. *Proceedings of the Royal Academy of Sciences B* 285(1873): 20172577.
9. Brooke, M.D.L., Bonnaud, E., Dilley, B.J., Flint, E.N., Holmes, N.D., **Jones, H.P.**, Provost, P., Rocamora, G., Ryan, P.G., Surman, C. and Buxton, R.T., 2018. Enhancing the value of future island eradications needs improved understanding of past outcomes. *Animal Conservation*, 21(1):19-20.
10. Brooke, M de L., E. Bonnaud, B.J. Dilley, B. Flint, N.D. Holmes, **H.P. Jones**, P. Provost, G. Rocamora, P.G. Ryan, C. Surman, R.T. Buxton. 2018. Seabird population change following mammal eradications on islands. *Animal Conservation* 21(1): 3-12.
11. Barber, N.A., K.A. Lamagdeleine-Dent, J.E. Willand, **H. P. Jones**, K.W. McCravy. 2017. Species and functional trait re-assembly of ground beetle communities in restored grasslands. *Biodiversity and Conservation* 26(14) 3481-3498.
12. Rocha, Ricardo, Miguel M. Sequeira, Leo R. Douglas, Manuela Gouveia, Roberto Jardim, José Jesus, Holly P. Jones, and Danilo Russo. 2017. Extinctions of introduced game species on oceanic islands: curse for hunters or conservation opportunities? *Biodiversity and Conservation* 26(10): 2517-2520.
13. Gerstner, K., D. Moreno Mateos, J. Gurevitch, M. Beckman, S. Kambach, **H.P. Jones**, R. Seppelt. 2017. Will your paper be used in a meta-analysis? Make the reach of your research broader and longer-lasting. *Methods in Ecology and Evolution* 8(6), 777-784.
14. Meli, P., K.D. Holl, J.M.R. Benayas, **H.P. Jones**, P.C. Jones\*, D. Montoya, and D.M. Mateos. 2017. A global review of past land use, climate, and active vs. passive restoration effects on forest recovery. *PloS One*, 12(2), e0171368.
15. Moreno Mateos, D. E.B. Barbier, P.C. Jones\*, **H.P. Jones**, J. Aronson, M.L. McCrackin, P. Meli, D. Montoya, and J. M. Rey Benayas. 2017. Anthropogenic ecosystem disturbance and the recovery debt. *Nature Communications* 9, 14163.
16. McCrackin, M. **H.P. Jones**, D. Moreno Mateos, and P.C. Jones\*. 2017. Incomplete recovery of lakes and coastal marine ecosystems from eutrophication: A global meta-analysis. *Limnology and Oceanography*, 62(2), 507-518.
17. Barber, N. A., **H. P. Jones**, M. R. Duvall, W. P Wysocki\*, M. J.Hansen, and D. J. Gibson 2017. Phylogenetic diversity is maintained despite richness losses over time in restored tallgrass prairie plant communities. *Journal of Applied Ecology*, 54(1), 137-144.
18. Milman, A, J.M. Marston, S.E. Godsey, J. Bolson, **H.P. Jones**, and C.S. Weiler. 2017. Scholarly Motivations to Conduct Interdisciplinary Climate Change Research. *Journal of Environmental Studies and Sciences* 7(2): 239-250.
19. **Jones, H.P.**, N.D. Holmes, S.H.M. Butchart, B.R. Tershy, P.J. Kappes\*, I. Corkery, A. Aguirre-Muñoz, D.P. Armstrong, E. Bonnaud, A.A. Burbidge, K. Campbell, F. Courchamp, P. Cowan, R.J. Cuthbert, S. Ebbert, P. Genovesi, G.R. Howald, B.S. Keitt, S.W. Kress, C.M. Miskelly, S. Oppel, S. Poncet, M.J. Rauzon, G. Rocamora, J.C. Russell, A. Samaniego-Herrera, P.J. Seddon, D.R. Spatz\*, D.R. Towns, and D.A. Croll. 2016. Invasive mammal eradication on islands results in substantial conservation gains. *Proceedings of the National Academy of Sciences*, 113(15), 4033-4038. Featured in LA Times, Newsweek, IFL Science, Popular Science, New Zealand Radio, and other news outlets.
20. Madura, P. T.\* , and **Jones, H. P.** 2016. Invasive species sustain double-crested cormorants in southern Lake Michigan. *Journal of Great Lakes Research*, 42(2), 413-420. Featured in Great Lakes Echo.
21. Russell, J. C., **H. P. Jones**, D. P. Armstrong, F. Courchamp, P. J. Kappes\*, P. J. Seddon, S. Oppel, M. J. Rauzon, P. E. Cowan, G. Rocamora, P. Genovesi, E. Bonnaud, B. S. Keitt, N. D.

- Holmes, and B. R. Tershy. 2016. Importance of lethal control of invasive predators for island conservation. *Conservation Biology*, 30(3), 670-672.
22. Schweizer, D.\* , **Jones, H. P.**, & Holmes, N. D. 2016. Literature Review and Meta-Analysis of Vegetation Responses to Goat and European Rabbit Eradications on Islands. *Pacific Science*, 70(1), 55-71.
  23. Borrelle, S.B.\* , Buxton, R.T., **Jones, H.P.** and Towns, D.R. 2015. A GIS-based decision making approach for prioritizing seabird management following predator eradication. *Restoration Ecology*, 23(5): 580-587.
  24. Kappes, P.\* and **H.P. Jones**. 2014. Integrating seabird restoration and mammal eradication programs on islands to maximize conservation gains. *Biodiversity Conservation*, 23(2): 503-509.
  25. Phelan, L., **H.P. Jones**, and J. Marlon. 2013. Bringing new PhDs together for interdisciplinary climate change research. *Eos* 94(5): 57.
  26. **Jones, H.P.**, D. Hole, and E.S. Zavaleta. 2012 Harnessing nature to help people adapt to climate change. *Nature Climate Change* 2(7):504-509.
  27. **Jones, H.P.** and Kress, S.W. 2012. Global review of active seabird restoration projects. *Journal of Wildlife Management*, 76(1): 2-9. Featured on the journal cover.
  28. **Jones, H.P.** 2010. Seabird islands take mere decades to recover following rat eradication. *Ecological Applications* 20(8): 2075-2080. Featured on the journal cover.
  29. **Jones, H.P.** 2010. Prognosis for ecosystem recovery following rodent eradication and seabird restoration in an island archipelago. *Ecological Applications* 20(5):1204-1216. Reviewed on Faculty 1000.
  30. **Jones, H.P.** and O.J. Schmitz. 2009. Rapid recovery of damaged ecosystems. *PLoS ONE* 4(5): e5653. doi:10.1371/journal.pone.0005653. Featured on NPR, in The Economist Magazine, Faculty 1000 and Nature Research Highlights.
  31. **Jones, H.P.**, B.R. Tershy, E.S. Zavaleta, D.A. Croll, B.S. Keitt, and M.E. Finkelstein. 2008. Severity of the effects of invasive rats on seabirds: A global review. *Conservation Biology* 22(1): 16-26. Featured on the journal cover.
  32. **Jones, H.P.**, R.W. Henry III, G.R. Howald, B.R. Tershy, and D.A. Croll (2005). Predation of artificial Xantus's Murrelet nests before and after black rat eradication. *Environmental Conservation* 32(4): 320-325.

#### **Peer reviewed book chapters**

1. **Jones, H. P.** 2013. The impact of ecological restoration on ecosystem services. Pages 199-208 in S. Levin, editor. *The Encyclopedia of Biodiversity*, 2nd Edition. Elsevier, New York.
2. **Jones, H.P.**, D.R. Towns, T. Bodey\*, C.M. Miskelly, J. Ellis, M.J. Rauzon, S.W. Kress, and M. McKown\*. 2011. Chapter 11: Recovery and restoration on seabird islands in C.P.H. Mulder, D.R. Towns, W.B. Anderson, and P.J. Bellingham, editors. *Seabird Islands: Ecology, Invasion, and Restoration*. Oxford University Press, Oxford.
3. Towns, D.R., G.V. Byrd, **H.P. Jones**, M.J. Rauzon, J.C. Russell and C. Wilcox. 2011. Chapter 3: Impacts of introduced predators on seabirds in C.P.H. Mulder, D.R. Towns, W.B. Anderson, and P.J. Bellingham, editors. *Seabird Islands: Ecology, Invasion, and Restoration*. Oxford University Press, Oxford.
4. Mulder, C.P.H., **H.P. Jones**, K. Kameda, C. Palmborg, S. Schmidt, J.C. Ellis, J.L. Orrock, D.A. Wait, D.A. Wardle, L. Yang, H. Young, D.A. Croll, and E. Vidal. 2011. Chapter 5: Impacts of Seabirds on Plant and Soil Properties in C.P.H. Mulder, D.R. Towns, W.B. Anderson, and P.J. Bellingham, editors. *Seabird Islands: Ecology, Invasion, and Restoration*. Oxford University Press, Oxford.
5. Schmitz, O.J., **H. P. Jones** and B.T. Barton. 2007. Scavengers. *Encyclopedia of Ecology*. Elsevier, UK.

***Commentary and outreach pieces***

1. Overheard at National Geographic. 2019. The zombie mice of Marion Island. <https://www.nationalgeographic.com/podcasts/overheard/episode-5-zombie-mouse-island/>
2. From the Field Podcast. 2019. Reintroducing bison to the tallgrass prairie with Holly Jones. <https://www.fromthefieldpodcast.com/episodes/episode-1/>
3. Barber, L. K., Barber, N. A., and **H.P. Jones**. 2017. PhD students: living wage key to diversity. *Nature*, 550(7676), 333-333.
4. **Jones, H.P.** 2017. My Journey as a Woman in STEM. Island Conservation Blog. <https://www.islandconservation.org/holly-jones-woman-stem/>
5. I co-curate and often contribute to a blog about the unique experiences of women and non-binary people who do field work. <https://fieldsecrets.wordpress.com/>

**Grants**

- Evaluating ecosystem recovery from invasive mammal removal on islands globally. H.P. Jones. National Geographic Committee for Research Exploration (2017-2020) \$34,000
- The ecosystem consequences of management disturbances: examining the community–trait–function relationships of consumers in a restored grassland. H.P. Jones (lead PI) and Nick Barber (co-PI but contributed equally). National Science Foundation EAGER plus REU Supplement (2016-2018) \$206,250
- Using drones to monitor grassland responses to shifting climate and restoration. H.P. Jones. Parrot Sequoia and Pix4D (2017) \$5,000 (drone + Parrot Sequoia)
- Ecological Assessment of District Lands. H.P. Jones, Nick Barber, and Rich King. Lake County Forest Preserve Grant (2014, 2015, 2016-2019) \$41,000 per annum in 2014-2015; \$205,530 in 2016-2019
- A restoration synthesis. National Center for Socioeconomic Environmental Synthesis Center (SESYNC), sDIV, and the Helmholtz Center for Environmental Research Synthesis Working Group Grant. Holly Jones (lead PI) and David Moreno-Mateos (co-PI) (2013-2015) \$72,000
- The effects surrounding land uses and restoration strategy on ecosystem recovery after severe perturbations. Holly Jones. Northern Illinois University Research and Artistry Grant (2012) \$15,000
- Island restoration and recovery following invasive species removal. Holly Jones. Northern Illinois University Research and Artistry Grant (2012) \$15,000
- Using a multi-trophic approach to evaluate ecosystem response to prairie restoration. American Philosophical Society Franklin Grant (2013) \$6,000
- Using a chronosequence to investigate ecosystem recovery following invasive rat eradication. Holly Jones. National Science Foundation Doctoral Dissertation Enhancement Project Grant (2009; Awarded but declined because my dissertation was finished)
- Using a unique research design to evaluate island restoration efficacy: An ecosystem-scale natural experiment. Holly Jones. National Geographic Committee for Research Exploration Grant (2008) \$15,000
- Conservation of Island Ecosystems Using Seabird Restoration. Holly Jones. Sophie Danforth Conservation Biology Fund (2007) \$1,000
- Evaluating ecosystem recovery following invasive species removal. Holly Jones. Yale Institute for Biospheric Studies Pilot Grant (2006, 2007) \$2,000 per annum
- Evaluating ecosystem recovery following invasive species removal. Holly Jones. American Philosophical Society Lewis and Clark Exploration Grant (2006, 2007) \$3,000 per annum

**Teaching**

***Instructor***

Introduction to Environmental Science: Biological Systems. Northern Illinois University (2012 – present) – this ~70-person course is required for NIU’s Environmental Studies majors. The level of science knowledge varies widely in the course, which makes it challenging but fun. Most of their grades come from team-based work projects.

Conservation Biology. Northern Illinois University (2012 – present) – This ~35-person course is an upper-division course and a graduate course combined. I transitioned the lab into a completely research-driven experience and most of their grades come from working in teams to solve conservation problems.

Advanced Topics in Restoration. Northern Illinois University (2014 – present) – This <15 person course is a graduate seminar and an upper-division undergraduate 1-credit course where students do directed journal reading, get hands-on invasive species removal experience, and learn how to critically evaluate restoration science.

Grant Writing Seminar. Northern Illinois University (2014, 2016) – I help a colleague teach this 1-credit seminar for graduate students to hone their grant writing skills. I come in and talk about my experience as a former GRFP panelist to give students that perspective.

Biostatistics (Summer 2014) – One of my graduate students was in the field during the spring semester that the required Biostats course was being taught so I taught it to her and another of my graduate students over the summer. Instead of using SPSS as the normal Biostats teacher does, I had my students do their homework in R.

The Physical and Chemical Environment. University of California, Santa Cruz (Summer 2011) – This was a required class for UCSC Environmental Studies majors where I taught about physical and chemical principles on Earth, the different “spheres”, and chemical cycles in a traditional lecture format.

### ***Undergraduate engaged learning***

- 2017 - Byron Gembeck: "Stress responses by mice in and out of predator control". NIU Student Engagement Fund.
- 2017 - Jeffrey Heise: "Floral and soil stoichiometric response to prescribed fire". NIU Student Engagement Fund.
- 2017 - Manthy Tee: "Restoring Function in Grassland Ecosystems" Paid Research Assistant.
- 2017 - Tammy Scheck. "Restoring Function in Grassland Ecosystems" Paid Research Assistant.
- 2015-2017 Maria Weston: "Landscapes of fear on the prairie: Bison wallow impacts on seed predation". NIU Student Engagement Fund.
- 2015-2017 Peyton Whiston: "Dung-associated arthropod impacts to decomposition in a restored prairie". NIU Research Rookies, McKearn Fellowship, and Student Engagement Fund.
- 2015-2017 Jessica Fliginger: "Parasites in bison and cows near Nachusa Grasslands" NIU Student Engagement Fund, Directed Undergraduate Research (ENVS 490)
- 2016-2017 Jeffrey Heise: "Using unmanned aerial vehicles to quantify bison impacts in a restored prairie". NIU Student Engagement Fund.
- 2016 Alyssa Marchetti: "Small mammal response to bison reintroduction at Nachusa Grasslands". Directed Undergraduate Research (BIOS370) Northern Illinois University.
- 2016 Heather Dauen: "Bird nesting success after bison reintroduction in a restored prairie". NIU Student Engagement Fund.
- 2016 Hristian Tountchev: "Bird nesting success after bison reintroduction in a restored prairie". Student Internship Credit, NIU.
- 2016 Sarah St. Peter: "Bird nesting success after bison reintroduction in a restored prairie". NIU Student Engagement Fund.
- 2016 Heather Dauen: "Bird nesting success after bison reintroduction in a restored prairie". Student Internship Credit, NIU.
- 2013-2015 Ryan Blackburn: "Quantifying recovery from disturbances globally". Directed Undergraduate Research (ENVS 490) Northern Illinois University.
- 2015 Benjamin Stone: "Bird nesting success after bison reintroduction in a restored prairie". Directed Undergraduate Research (BIOS370) Northern Illinois University.
- 2014 Olivia Deihs: "Small mammal response to bison reintroduction at Nachusa Grasslands". Directed Undergraduate Research (ENVS 490) Northern Illinois University.
- 2013-2014 Taylor McDonald: "Cormorant diet in Southern Lake Michigan". Directed Undergraduate Research (BIOS370) Northern Illinois University.
- 2013-2014 Suzanne Venhousen: "Cormorant diet in Southern Lake Michigan". Directed Undergraduate Research (BIOS370) Northern Illinois University.

- 2013-2014 Adam Cox: “Small mammal response to bison reintroduction at Nachusa Grasslands”.  
Directed Undergraduate Research (BIOS370) Northern Illinois University.
- 2013-2014 Samantha Hill: Small mammal response to bison reintroduction at Nachusa Grasslands”.  
Directed Undergraduate Research (BIOS370) Northern Illinois University.

### **University Service**

#### ***Membership on dissertation and thesis committees***

In my tenure at NIU, I have had six Master’s students and 2 PhD students successfully defend their theses/dissertations and I currently have 6 other graduate students (5 PhD and 1 Master’s) in the lab or that I co-advise. I am also currently the main advisor for three undergraduate researchers. I have mentored research projects for 16 other undergraduates since 2012. I am on or have served on eight other students’ thesis or dissertation committees, including advisees at Auckland University of Technology and University of Tasmania.

#### ***Departmental Seminar Speakers Hosted***

Dave Ewert, Lead Scientist, The Nature Conservancy (Fall 2012)  
Jeff Walk, Director of Science in Illinois, The Nature Conservancy (Spring 2013)  
Oswald Schmitz, Professor, Yale University (Fall 2013)  
Margaret Palmer, Director, National Center for Socioeconomic Environmental Synthesis Center (Fall 2013)  
Seth Binder, Assistant Professor, St. Olaf College (Spring 2014)  
Jeramie Strickland, U.S. Fish and Wildlife Service Biologist (Fall 2014)  
Sarah Supp, National Science Foundation Post-doctoral Scholar (Spring 2015)  
Rachel Buxton, National Park Service Post-doctoral Scholar (Fall 2015)  
Jodi Vandermyde, Illinois Natural History Survey Biologist (Spring 2016)  
John Pauli, University of Madison, Wisconsin (Fall 2016)  
John Taft, Illinois Natural History Survey (Spring 2017)  
Mary Rogalski, University of Michigan (Fall 2017)  
Anne Axel, Marshall University (Fall 2017)  
Oswald Schmitz, Yale University (Fall 2017)  
Travis Gallo, Lincoln Park Zoo (Spring 2018)  
Elizabeth Bach, The Nature Conservancy (Fall 2018)

### **Student grant success**

#### **2018**

Wieteke Holthjuizen (MSc) – National Science Foundation Graduate Research Fellowship (\$34,000 per annum 2018-2021)

Lyndsay Rankin (PhD) – 1. New Zealand Bird Conference Best Student Poster (\$100 NZD)  
2. Northern Illinois University Graduate School Dissertation Completion Fellowship (\$20,000) 3. Northern Illinois University Graduate Student Travel Grant (\$600)

Nicholas Steijn (MSc) – 1. Friends of Nachusa Grasslands (\$1500) 2. University Fellowship (~\$15,000)

Kirstie Feller (MSc) – 1. Friends of Nachusa Grasslands (\$1500)

Heather Herakovich (PhD) – 1. American Ornithological Society Conference 2018: Student Travel Grant (\$400) 2. NIU Graduate School Travel Grant (\$400) 3. NIU Biology Department Travel Grant (\$400) 4. NIU CLAS Travel Grant (\$200)

Christy N. Wails (PhD) - 1. NIU Research and Artistry fellowship (\$14,500); 2. NIU graduate travel award (\$600); 3. Auckland Council research support (\$3,390 USD / \$5,000 NZD); 4. IDEA WILD (\$250)

Yutong Xing (BSc) – Student Engagement Funding (NIU; \$1200)

Hailey Borden (BSc) – Student Engagement Funding (NIU; \$1522)

**Holly Jones, Ph.D.**  
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**Associate Professor, Northern Illinois**  
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### **2017**

Ryan Blackburn (MSc) – NIU Biology Department (\$500)  
Kirstie Feller (MSc) – 1. NIU Biology Department (\$500); 2. Friends of Nachusa Grasslands (\$1500)  
Heather Herakovich (PhD) – 1. Sigma Xi (\$1000) 2. NIU Biology Department (\$750); 2. Friends of Nachusa Grasslands (\$3200)  
Lyndsay Rankin (PhD) – NIU Biology Department (\$750)  
Nicholas Steijn (MSc) – 1. NIU Biology Department (\$500); 2. Friends of Nachusa Grasslands (\$1500). 3. NIU University Fellowship.  
Christy Wails (PhD) – 1. National Geographic Society Early Career Explorer (\$10,000); 2. NIU Biology Department (\$750)  
Jeff Heise (BSc) – Student Engagement Funding (NIU; \$2500)  
Maria Weston (BSc) – Student Engagement Funding (NIU; \$2500)  
Peyton Whiston (BSc) – Student Engagement Funding (NIU; \$650)

### **2016**

Maria Weston (BSc) – Student Engagement Funding (NIU; \$3124.20)  
Peyton Whiston (BSc) – Student Engagement Funding (NIU; \$1800)  
Ryan Blackburn (MSc) – 1. Friends of Nachusa Grasslands (\$1500), 2. NIU Biology Department (\$500)  
Angela Burke (MSc) – 1. American Society of Mammalogists (\$400), 2. Friends of Nachusa Grasslands (\$1500)  
Heather Herakovich (PhD) – 1. Friends of Nachusa Grasslands (\$1700), 2. NIU Biology Department (\$750); 3. Illinois DuPage Birding Club (\$1000)  
Lyndsay Rankin (PhD) – 1. National Geographic Society Waitt Grant (\$15,000); 2. Pacific Seabird Group (\$550); 3. Waikato Regional Council Grant (\$10,000NZD); 4. NIU Biology Department (\$750)

### **2015**

Ryan Blackburn (BSc) – Undergraduate Research Apprenticeship (NIU; \$500)  
Angela Burke (MSc) – 1. Natural Areas Association (\$746), 2. American Society of Mammalogists (\$1500), 3. Friends of Nachusa Grasslands (\$1200).  
Heather Herakovich (MSc) – 1. Friends of Nachusa Grasslands (\$1500), 2. Natural Areas Association (\$681), 3. NIU Biology Department (\$425)  
Lyndsay Rankin (PhD) – 1. NIU Dennis Larsen Endowed Scholarship (\$2500) 2. DigitalGlobe, 3. Phi Kappa Phi (\$500), 4. Sigma Xi (\$1000)  
Maria Weston (BSc) – Student Engagement Funding (NIU; \$1638)

### **2014**

Heather Herakovich (MSc) – 1. Illinois Association of Environmental Professionals (\$1000); 2. Friends of Nachusa Grasslands (\$2000); 3. NIU Graduate School Research Travel Grant (\$500); 4. NSF GRFP Honorable Mention  
Stephanie Kong (MSc) – 1. NIU University Fellowship; 2. NIU Biology Department (\$500)

### **Awards, Honors, and Professional Development**

Northern Illinois University Graduate Council – Elected position (2016 – 2019)  
Northern Illinois University Student Engagement Fund Mentor (2015-current)  
Northern Illinois Research and Innovation Action Council (2017-current)  
Northern Illinois University Faculty Mentor of the Year Nominee (2016)  
Northern Illinois University Research Rookies Mentor (2016)  
Northern Illinois University McKearn Fellow Mentor (2016)  
Northern Illinois University Undergraduate Research Apprenticeship (URA) Faculty (2014, 2015)

Northern Illinois University Undergraduate Research Apprenticeship Program (URAP) Faculty  
(2013, 2014)

Northern Illinois University Cobb Fellowship (2014) \$2,500

National Center for Ecological Analysis and Synthesis (NCEAS) Summer Institute (2013) – I was one of just 20 people to be selected to attend this data carpentry, analysis, and synthesis workshop. We learned from experts such as Ben Bolker and Nancy Baron and I established collaborations with a variety of researchers as well.

DISCCRS (DISsertations initiative for the advancement of Climate Change ReSearch) VII (October 2012) – I was selected among a large pool of applicants to be one of 30 early career scholars to participate in this symposium for professionals pursuing climate change research.

Leopold Schepp Foundation Fellow (2006, 2007) \$4,000 per annum

**Symposia and Professional Speaking.** \*Indicates Presenter

Chicago Botanic Garden (2019). Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Invited talk.

STEM Café: Bison and Brews (2019). Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Invited talk for the public.

Iowa State University (2019). Seismic shifts in island food webs: Island responses to invasive mammal removal. H.P. Jones. Invited talk.

St. Olaf University (2019). Potential for restoring Earth's damaged ecosystems. H.P. Jones. Invited talk.

Morton Arboretum (2019). Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Invited talk.

Florida Atlantic University Frontiers in Science (2019). Potential for restoring Earth's damaged ecosystems. H.P. Jones. Boca Raton, FL, USA. Invited talk to the public.

Pacific Seabird Group Conference, 2019. Seabird responses to invasive mammal removal and their influence on terrestrial and nearshore island ecosystem recovery. H.P. Jones\*, S. Borrelle, L. Rankin, C. Wails.

Lincoln Park Zoo (2018): Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Wilmington, IL, USA. Invited talk to the public.

Lifelong Learning Institute, NIU (2018): Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. This was an invited talk to researchers and land managers at Midewin. DeKalb, IL, USA. Invited talk to the public.

Coalition for National Science Funding Conference (May 2018). Impacts of reintroduced bison and prescribed fire in one of the world's most threatened ecosystems. H.P. Jones and N.A. Barber. Washington D.C., USA. This was a conference that showcased NSF funded research to members of Congress and their staff. I was invited by NIU Federal Outreach Professional Anna Quider, and we met with Senator Tammy Duckworth's and Congresswoman Jan Schakowsky's staff and we had a meeting with staffers on the Research and Technology subcommittee of the House Science, Space, and Technology Committee.

University of Illinois Urbana-Champaign (2018). Potential for restoring Earth's damaged ecosystems. H.P. Jones. Urbana-Champaign, IL, USA. Invited talk.

Geography and Geosciences Seminar Series, NIU (2018). H.P. Jones. Potential for restoring Earth's damaged ecosystems. H.P. Jones. DeKalb, IL, USA. Invited talk.

Washington University St. Louis, Tyson Research Station (2018). Potential for restoring Earth's damaged ecosystems. H.P. Jones. St. Louis, MO, USA Invited talk.

Grand Valley State University (2018). Potential for restoring Earth's damaged ecosystems. H.P. Jones Allendale, MI, USA. Invited talk.

Northern Illinois University. (2018) Science Communication. H.P. Jones. DeKalb, IL, USA. Invited talk to share what I learned at the National Geographic Society Storytelling Bootcamp.

Midewin Tallgrass Prairie (2018): Bison impacts on plants and animals in a world-class prairie restoration. H.P. Jones. Wilmington, IL, USA. Invited talk



- Ecological Society of America Conference, 2018. Influences of initial conditions, time, and disturbance on plant phylogenetic community structure along a successional restoration gradient Nicholas A. Barber\*, Ryan C. Blackburn, Anna K. Farrell, and Holly P. Jones. New Orleans, USA
- Ecological Society of America Conference, 2018. Dung beetle functional traits related to restoration management practices in tallgrass prairie Sheryl C. Hosler\*, Holly P. Jones and Nicholas A. Barber. New Orleans, USA
- Ecological Society of America Conference, 2018. Of mice and management: Small mammals and the impacts of herbicide at a restored prairie. Nick Steijn\*, Kirstie Savage and Holly P. Jones. New Orleans, USA
- Ecological Society of America Conference, 2018. Inclusion of intraspecific variation does not improve predictive power of functional diversity for ecosystem function in restored prairie plant communities. Anna K. Farrell\*, Ryan C. Blackburn, Holly P. Jones, and Nicholas A. Barber. New Orleans, USA.
- Ecological Society of America Conference, 2018. The ecosystem consequences of management disturbances: Examining the community–trait–function relationships of small mammals in a restored grassland. Holly P. Jones\*, Nicholas A. Barber, Kirstie Savage, Nick Steijn, Ryan C. Blackburn and Anna K. Farrell. New Orleans, USA.
- Ecological Society of America Conference, 2018. Competition and niche specialization during community reassembly in the world’s seabird biodiversity hotspot. Christy N. Wails\* and Holly P. Jones. New Orleans, USA.
- National Geographic Society, 2018. Island conservation elevator pitch. Holly P. Jones. This was a short talk given to around 150 National Geographic employees about the research for which they funded me.
- British Ornithology Union Twitter Conference (2017). Sentinels of the sea: Status, threats, and hope for global seabird conservation. I was a Keynote presenter for this conference on Twitter.
- Elgin Public Museum (2017): Bison impacts on flora and fauna in a world-class prairie restoration. H.P. Jones. This was an invited talk to the public. Elgin, IL, USA.
- Nachusa Grasslands Annual Science Symposium (2017). ReFuGE - Restoring Function in Grassland Ecosystems. N.A. Barber and H.P. Jones. Invited.
- Ecological Society of America (2017). I co-organized an oral session entitled Re-Establishing Consumer Communities and Consumer-Driven Function in Restored Ecosystems.
- Ecological Society of America (2017). Small mammal responses to bison reintroduction and prescribed fire in a restored prairie. H.P. Jones, A.M. Burke, N. Steijn, K. Savage. Invited.
- Ecological Society of America (2017). The effects of bison reintroduction on grassland bird nest success in a tallgrass prairie. H. Herakovich\* and H.P. Jones.
- Ecological Society of America (2017). Structure and function of dung beetle communities in response to grazing and prescribed fire in restored tallgrass prairie. N.A. Barber\*, P. Whiston, H.P. Jones.
- Ecological Society of America (2017). Using stable isotope analysis to measure nearshore recovery of seabird islands following rodent eradication in New Zealand. L. Rankin\* and H.P. Jones.
- Ecological Society of America (2017). Quantifying coyote dietary niche width in a restored grassland. Kirstie Savage\* and H.P. Jones.
- Ecological Society of America (2017). Floral and soil stoichiometric (C:N) response to prescribed fire in tallgrass prairie. J. Heise\*, N.A. Barber, R.C. Blackburn, C. Chantos, H.P. Jones
- Ecological Society of America (2017). Vegetation impacts of reintroduced bison in a restored tallgrass prairie and the ability of UAV imagery to assess them. R.C. Blackburn\* and H.P. Jones.
- International Congress for Conservation Biology (2017) Estimating the population level impacts of anthropogenic at-sea threats to seabirds. S. Borrelle\*, H.P. Jones, R. Salguero-Gomez, D.R. Towns.

- Severson Dells Nature Center (2017): Bison impacts on flora and fauna in a world-class prairie restoration. H.P. Jones. This was an invited talk to the public. Rockford, IL, USA.
- Nachusa Grasslands Annual Science Symposium (2016). Small mammal responses to bison reintroduction and prescribed fire in one of the world's most threatened ecosystems. A.M. Burke\* and H.P. Jones. Invited.
- North American Prairie Conference (2016). Small mammal response to bison reintroduction in a world-class prairie restoration. H.P. Jones and A.M. Burke\*
- International Island Biology Conference (2016). Island restoration through invasive mammal eradication. James Russell\*, Nick Holmes, Holly Jones.
- University of Rockford. (2016). How can restoration help repair biodiversity and contribute to human well-being? H.P. Jones\*. I was invited for the Departmental Seminar.
- University of Illinois, Chicago (2016). Island restoration and recovery following invasive rat removal. H.P. Jones\*. I was invited for the Departmental Seminar.
- Universidad de Alcalá, Spain (2016). Island restoration and recovery following invasive rat removal. H.P. Jones\*. I was invited for the Departmental Seminar.
- University of Arkansas. (2015). Seabird island restoration and recovery following invasive rat removal. H.P. Jones\*. I was invited as the Graduate Colloquium Speaker.
- International Congress for Conservation Biology (2015) - Benefits of invasive mammal removal to native island fauna. H.P. Jones\*, N.D. Holmes, S.H.M. Butchart, B.R. Tershy, P.J. Kappes, I. Corkery, A. Aguirre-Muñoz, D.P. Armstrong, E. Bonnaud, A.A. Burbidge, K. Campbell, F. Courchamp, P. Cowan, R.J. Cuthbert, S. Ebbert, P. Genovesi, G.R. Howald, B.S. Keitt, S.W. Kress, C.M. Miskelly, S. Oppel, S. Poncet, M.J. Rauzon, G. Rocamora, J.C. Russell, A. Samaniego-Herrera, P.J. Seddon, D.R. Spatz, D.R. Towns, and D.A. Croll.
- STEM Cafe. Breakfast with the Bison talk and prairie tour (2015). H.P. Jones\* and Nick Barber\*. ~200 participants. August 2015.
- Joint Aquatic Sciences Meeting (2014) - Slow recovery of lakes, wetlands, and coastal areas from eutrophication. M. McCrackin\* and H.P. Jones.
- University of Massachusetts Boston (2014). The potential for ecosystem restoration in the Anthropocene. H.P. Jones\*. Invited panelist for a mini-conference on ecosystem restoration and management.
- Winter Trails & Naturalist Tales - Illinois extension conference (2013) Ecosystem recovery after severe disturbances. H.P. Jones. I was invited as one of the keynote speakers for this public conference.
- 97<sup>th</sup> Annual Ecological Society of America Meeting (2012) – Harnessing nature to help people adapt to climate change: Identifying global high-priority areas for coastal ecosystem-based adaptation. H.P. Jones\*, D. Hole, B. Nickel, E. Zavaleta.
- Island Restoration Symposium, Society for Conservation Biology (2011) – I organized and chaired a symposium on the restoration and conservation outcomes on islands following invasive species eradication. I gave a talk at the symposium, Taking eradication funding and measurable outcomes one step further – Restoring island ecosystems.
- 25<sup>th</sup> Meeting of the Society for Conservation Biology (December 2011). Repair and recovery of damaged nature. H.P. Jones\*, P. Kareiva, M. Mariver, E. Zavaleta.
- UC Santa Cruz Environmental Studies Seminar Series (February 2011) – Setting ecosystem-based adaptation goals for climate change and prioritizing restoration projects.
- World Seabird Conference (September 2010). Worldwide seabird restoration projects. H.P. Jones\* and S. Kress. Invited presentation.
- 1<sup>st</sup> International Wildlife Reintroduction Conference (April 2008). Review of seabird reintroduction projects worldwide. H.P. Jones\* and S. Kress.
- 3<sup>rd</sup> Joint Conference of the NZ Ecological Society and the Ecological Society of Australia (August 2006). What makes seabirds defenseless to invasive rats? An analysis of seabird characteristics affecting vulnerability. H.P. Jones\*, B.R. Tershy, D.A. Croll, E.S. Zavaleta

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20<sup>th</sup> Meeting of the Society for Conservation Biology (June 2006). What makes seabirds defenseless to invasive rats? An analysis of seabird characteristics affecting vulnerability. H.P. Jones\*, B.R. Tershy, D.A. Croll, E.S. Zavaleta.

6<sup>th</sup> California Islands Symposium (2003). Predation of artificial Xantus Murrelet nests before and after black rat eradication. H.P. Jones\*, B.R. Tershy, D.A. Croll, G.R. Howald.

### **Service outside the University**

#### **Reviews**

Outside Dissertation Review - Rachel Buxton, Ecological drivers of seabird recovery after the eradication of introduced predators. University of Otago, New Zealand (July 2014)

NSF Ad-hoc reviewer (2015-present)

NSF Population and Community Ecology grant panel (November 2017)

NSF Antarctic Organisms and Ecosystems grant panel (July 2014)

NSF DDIG grant panel (February 2013)

NSF GRFP grant panel (January 2013)

Biodiversa grant panel (April 2013)

Outside reviewer for Natural Sciences and Engineering Research Council of Canada Grants (NSERC)

Outside reviewer for National Geographic Society's Committee for Research Exploration

Outside reviewer for: *Animal Conservation*, *Antarctic Science*, *Biodiversity Conservation*, *Biological Conservation*, *Biological Invasions*, *Bioscience*, *Bird Conservation International*, *Conservation Biology*, *EcoHealth*, *Ecological Applications*, *Ecological Restoration*, *Ecology*, *Ecology Letters*, *Global Change Biology*, *Human Ecology*, *Journal of Applied Ecology*, *Journal of Fish and Wildlife Management*, *Journal of Wildlife Management*, *Methods in Ecology and Evolution*, *Nature Climate Change*, *Nature Ecology and Evolution*, *New Zealand Journal of Ecology*, *Oecologia*, *PlosBiology*, *PlosOne*, *PNAS*, *Population Ecology*, *Restoration Ecology*, *Proceedings of the Royal Society B - Biological Sciences*, *Science*

#### **Public Service Activities**

- 2017 - current    Bison Tours for Autumn on the Prairie. I led the public on tours of my field site, Nachusa Grasslands, for the preserve's annual public outreach event. Hundreds of people come to hear about bison and their impacts on the prairie.
- 2018                I helped found and now co-curate [a blog](#) about the unique experiences of women and non-binary people who work in the field. We post every two weeks, and started the hashtag #FemFieldPhoto, on which thousands of women posted pictures of themselves doing field work on social media.
- 2017                Skype a Scientist. I have participated in two Skype a Scientist sessions, one with a 2nd grade class in Maine and another with a 5th grade class in Alabama.
- 2017                Montessori Academy Prairie Field Trip. My students and I led 1<sup>st</sup>-8<sup>th</sup> graders around our study site at Nachusa Grasslands, gave them demonstrations of science, and answered questions about prairie.
- 2016                Stem Café: Breakfast with the Bison. Nick Barber and I co-led a breakfast Stem Café about Nachusa Grasslands' prairie restoration effort including reintroducing bison. We then led a tour of Nachusa. Over 200 people attended.
- 2016                Small mammal trapping with 1<sup>st</sup>-5<sup>th</sup> graders. Montessori Academy Batavia. For the school's science summer camp, I came and set up small mammal traps and showed the students what we do when we trap small mammals.
- 2015                Lecture for Larkin High School AP Environmental Science students. I talked about what biodiversity does for us in this lecture.
- 2015                Diversity in the prairie. 1<sup>st</sup>-5<sup>th</sup> graders. Montessori Academy Batavia. I came and talked about the animals we see at the prairie and why it is important to Illinois.

- 2015 Seabird sounds. Pre-K-K students. Montessori Academy Batavia. I came and played different seabird sounds and showed students pictures of seabirds that I have worked with.
- 2015 NIU Anthropology Museum re-opening. I was photographed with a museum piece from New Zealand and featured in the exhibit.
- 2014 NIU Anthropology Museum Biodiversity Exhibit. I made a poster about the island seabird research going on in the lab to be displayed in the Anthropology museum.

### *Media Appearances*

- 2018 NIU Newsroom "[Fixing damaged ecosystems: How much does restoration help?](#)" (February 28, 2018)
- 2018 Chicago Tribune "[Should we let Mother Nature fix the ecosystem? NIU study says restoration work has mixed results, rarely succeeds fully](#)" (February 27, 2018)
- 2018 Science Daily "[Fixing damaged ecosystems: How much does restoration help?](#)" (March 1<sup>st</sup>, 2018)
- 2018 Phys.org "[Study suggests active restoration of damaged ecosystems not always better than nature](#)". (February 28, 2018)
- 2018 Phys.org "[Following disturbance, most waterways improve but don't fully recover within the study period, researchers found](#)" (July 27, 2018).
- 2018 Gizmodo "[Bison are helping rewild the last of the Midwest's prairies](#)" (October 31, 2018)
- 2017 WNIJ News "[An incredible place to discover](#)" (August 9<sup>th</sup>, 2017)
- 2016 Chicago Tribune "[Bison mania hits 95 miles west of Chicago as herd continues to grow](#)" (December 30, 2016)
- 2016 WNIJ News "[NIU Biologists use drones to monitor bison's effect on Nachusa Grasslands](#)" (October 22, 2016)
- 2016 NIU Newsroom "[Bird's eye view NIU researchers using drone to study effect of bison return to Nachusa](#)" (October 12, 2016) ([Video link](#))
- 2016 Al Jazeera America "[Bringing back the bison](#)" (September 11, 2016; Original air date July 2016)
- 2016 Great Lakes Echo "[Can cormorants help control Great Lakes invaders?](#)" (June 6, 2016)
- 2016 Kane County Chronicle "[NIU professor from Batavia fights species extinction](#)" (April 20, 2016)
- 2016 Otago Daily Times "[NZ methods earn praise](#)" (March 30, 2016)
- 2016 ABC Natural "[El peligro de las macotas en las islas](#)" (March 29, 2016)
- 2016 Birdwatch "[Invasive mammal eradication provides value for money and birds](#)" (March 27, 2016)
- 2016 Greenreport "[L'arma vincente contro la perdita di biodiversità? L'eradicazione dei mammiferi invasivi](#)" (March 24, 2016)
- 2016 Popular Science "[Repelling the invaders: Killing invasive species may be rough, but it works](#)" (March 23, 2016)
- 2016 Los Angeles Times "[To save native island animals from extinction, eradicate the uninvited guests, study finds](#)" (March 22, 2016)
- 2016 Newsweek "[Eradicating invasive mammals helps native island species thrive](#)" (March 22, 2016)
- 2016 Radio New Zealand "[New Zealand leads world in island conservation](#)" (March 22, 2016)
- 2016 Newshub "[NZ a world leader in pest eradication techniques](#)" (March 22, 2016)
- 2016 National Geographic "[Conservation Silver Bullet](#)" (March 21, 2016)
- 2016 TakePart "[When the Killing's Done, Island Wildlife Roars Back](#)" (March 21, 2016)
- 2016 Santa Cruz Sentinel "[Study shows biodiversity benefits of removing invasive mammals from islands](#)" (March 18, 2016)
- 2016 Science Coalition "[Why should science matter to presidential candidates?](#)" (February 29, 2016)
- 2015 NIU Newsroom "[Prairie state of mind](#)" (November 30, 2015) [Video Link](#)
- 2014 NIU Today "[Where the buffalo roam \(once again\)](#)" (September 29, 2014)
- 2010 Conservation Magazine "[Wounds that can heal](#)" (January 15, 2010)

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- 2009 EcoDebate “[Meta-análise conclui que os ecossistemas podem se recuperar em uma geração](#)” (June 30, 2009)
- 2009 National Association of Science Writers “[Hope for accelerated ecosystem recovery](#)” (May 2009)
- 2009 Mongabay “[Polluted, degraded ecosystems can recover in less than a lifetime](#)” (May 31, 2009)
- 2009 Science Daily “[Most polluted ecosystems can recover](#)” (May 28, 2009)
- 2009 Ecological Society of America Blog “[Many disturbed ecosystems recoverable?](#)” (May 28, 2009)
- 2009 Common Dreams “[Damaged ecosystems not lost forever](#)” (May 27, 2009)
- 2009 Tri-City Herald “[The good news on damaged ecosystems: Some recover fast](#)” (May 27, 2009)
- 2008 National Geographic “[Rat invasions causing seabird decline worldwide](#)” (February 21, 2008)
- 2008 National Geographic “[Alien rats prey on seabirds worldwide](#)” (February 21, 2008)

### **References**

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