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EDUCATION

Ph.D. in Wildlife Biology, 2005, Colorado State University, Fort Collins, Colorado
Dissertation Title: “Small mammal responses to forest restoration and fuel reduction”

M.S. in Natural Resource Sciences, 1999, University of Nebraska, Lincoln, Nebraska
Thesis Title: “Habitat selection and population response to commercial harvest of Nebraska ornate box turtles”

B.S. in Fisheries and Wildlife (Honors), 1996, Michigan State University, East Lansing, Michigan

PROFESSIONAL POSITIONS

Unit Leader and Associate Professor, 2017 to present

USGS Washington Cooperative Fish and Wildlife Research Unit, School of Environmental and Forest Sciences & School of Aquatic and Fishery Sciences, University of Washington, Seattle, Washington

Research Ecologist, 2007 to 2017

Patuxent Wildlife Research Center, US Geological Survey, Laurel, Maryland

Post-Doctoral Research Associate, 2005 to 2007

Colorado State University, Fort Collins, Colorado and Patuxent Wildlife Research Center, Laurel, Maryland

PUBLICATIONS

Journal Articles – In Review/Revision

Canessa S, **SJ Converse**, L Adams, DP Armstrong, T Makan, M McCready, KA Parker, EH Parlato, HA Sipe, JG Ewen. In Revision. Simulating demography, monitoring and management decisions to evaluate adaptive management strategies for endangered species. Submitted to Conservation Letters.

Gerber BD, BA Mosher, **SJ Converse**, E Muths, HJ Crockett, and LL Bailey. In Revision. Just do it: optimal management decisions are robust to unknown dynamics in an amphibian metapopulation plagued by disease. Submitted to Animal Conservation.

Keating L, L Randall, R Stanton, C McCormack, M Lucid, T Seaborn, **SJ Converse**, S Canessa, and A Moehrensclager. In Revision. Using decision analysis to determine the feasibility of a conservation translocation. Submitted to Decision Analysis.

Sipe, H.A., Keren, I.N., and **S.J. Converse**. In Revision. Integrating community science and agency-collected monitoring data to expand monitoring capacity at large spatial scales. Ecosphere.

Warlick, AJ, GK Himes Boor, TL McGuire, KEW Shelden, EK Jacobson, C Boyd, PR Wade, AE Punt,

SJ Converse. In Revision. Demographic and environmental drivers of population dynamics and viability in an endangered top predator using an integrated model. *Animal Conservation*.

Journal Articles – Published

- Himes Boor GK, TL McGuire, AJ Warlick, RL Taylor, **SJ Converse**, JR McClung, and AD Stephens. 2023. Estimating reproductive and juvenile survival rates when offspring ages are uncertain: a novel multievent mark-resight model with beluga whale case study. *Methods in Ecology and Evolution*: In Press.
- Mendgen P, **SJ Converse**, AT Pearse, CS Teitelbaum, and T Mueller. 2023. Differential shortstopping behaviour in Whooping Cranes: habitat or social learning? *Global Ecology and Conservation* 41:e02365.
- Sorel MH, AR Murdoch, RW Zabel, JJ Jorgensen, CM Kamphaus, and **SJ Converse**. 2023. Juvenile life history diversity is associated with lifetime individual heterogeneity in a migratory fish. *Ecosphere* 14:e4366.
- Todd Zaragoza MI, AJ DuVall, JA Howard, DM Mazurkiewicz, and **SJ Converse**. 2023. Laying sequence and oceanographic factors affect egg size in Scripps's Murrelets *Synthliboramphus scrippsi* at Santa Barbara Island. *Marine Ornithology*: In Press.
- Converse SJ**, BT McClintock, and PB Conn. 2022. Special Feature: Linking capture-recapture and movement. *Ecology* 103:e3770.
- Doll CF, **SJ Converse**, CB Edwards, and CB Schultz. 2022. Using structured decision making to guide habitat restoration for butterflies: a case study of Oregon silverspots. *Journal of Insect Conservation* 26:219-230.
- Doll CF, **SJ Converse**, and CB Schultz. 2022. Non-target effects of herbicides on the Zerene silverspot butterfly, a surrogate for the Oregon silverspot butterfly. *Journal of Insect Conservation* 26:1-15.
- Edwards HA, **SJ Converse**, KD Swan, and A Moehrensclager. 2022. Trading off hatching success and cost in the captive breeding of Whooping Cranes. *Animal Conservation* 25:101-109.
- Gardner B, BT McClintock, **SJ Converse**, and NJ Hostetter. 2022. Integrated animal movement and spatial capture-recapture models: simulation, implementation, and inference. *Ecology* 103:e3771.
- Hemming V, AE Camaclang, MS Adams, M Burgman, K Carbeck, J Carwardine, I Chades, L Chalifour, **SJ Converse**, LNK Davidson, GE Garrard, R Finn, JR Fleri, J Huard, HJ Mayfield, E McDonald-Madden, I Naujokaitis-Lewis, HP Possingham, L Rumpff, MC Runge, D Stewart, VJD Tulloch, T Walshe, and TG Martin. 2022. An introduction to decision science for conservation. *Conservation Biology* 36:e13868.
- Hostetter NJ, EV Regehr, RR Wilson, JA Royle, and **SJ Converse**. 2022. Modeling spatiotemporal abundance and movement dynamics using an integrated spatial capture-recapture movement model. *Ecology* 103:e3772.
- McClintock BT, B Abrahms, RB Chandler, PB Conn, **SJ Converse**, RL Emmet, B Gardner, NJ Hostetter, and DS Johnson. 2022. An integrated path for spatial capture-recapture and animal movement modeling. *Ecology* 103:e3473.
- Oppel S, BL Clark, MM Risi, C Horswill, **SJ Converse**, CW Jones, AM Osborne, K Stevens, V Perold, AL Bond, RM Wanless, R Cuthbert, J Cooper, PG Ryan. 2022. Cryptic population decrease due to invasive species predation in a long-lived seabird supports need for eradication. *Journal of Applied Ecology* 59:2059-2070.
- Warlick AJ, DS Johnson, TS Gelatt, and **SJ Converse**. 2022. Environmental drivers of demography and potential factors limiting the recovery of an endangered marine top predator. *Ecosphere* 13:e4325.
- Abrahms B, CS Teitelbaum, T Mueller, and **SJ Converse**. 2021. Ontogenetic shifts from social to experiential learning drive avian migration timing. *Nature Communications* 12:7326.
- Amburgey SM, AA Yackel Adams, B Gardner, NJ Hostetter, SR Siers, BT McClintock, and **SJ**

- Converse**. 2021. Evaluation of camera trap-based abundance estimators for unmarked populations. *Ecological Applications* 31:e02410.
- Amburgey SM, AA Yackel Adams, B Gardner, B Lardner, AJ Knox, and **SJ Converse**. 2021. Tools for increasing visual encounter probabilities for invasive species removal: a case study of brown treesnakes. *Neobiota* 70:107-122.
- Converse SJ** and HA Sipe. 2021. Commentary: Finding the win-win strategies in endangered species conservation. *Animal Conservation* 24:161-162.
- Hostetter NJ, NJ Lunn, ES Richardson, EV Regehr, **SJ Converse**. 2021. Age-structured Jolly-Seber model expands inference and improves parameter estimation from capture-recapture data. *PLoS ONE* 16:e0252748.
- Regehr EV, MC Runge, A Von Duyke, RR Wilson, L Polasek, KD Rode, NJ Hostetter, and **SJ Converse**. 2021. Demographic risk assessment for a harvested species threatened by climate change: polar bears in the Chukchi Sea. *Ecological Applications* 31:e02461.
- Sorel MH, RW Zabel, DS Johnson, AM Wargo Rub, and **SJ Converse**. 2021. Estimating population-specific predation effects on Chinook salmon via data integration. *Journal of Applied Ecology* 58:372-381.
- Thompson BK, **SJ Converse**, and JD Olden. 2021. Mechanistic invasive species management models and their application in conservation. *Conservation Science and Practice* 3:e533.
- Turner SD, **SJ Converse**, and TA Branch. 2021. Modeling opportunistic exploitation: increased extinction risk when targeting more than one species. *Ecological Modelling* 454:109611.
- Adler PH, J Barzen, E Gray, A Lacy, RP Urbanek, and **SJ Converse**. 2019. The dilemma of pest suppression in the conservation of endangered species. *Conservation Biology* 33:788-796.
- Converse SJ** and EHC Grant. 2019. A three-pipe problem: dealing with complexity to halt amphibian declines. *Biological Conservation* 236:107-114.
- Funk WC, BR Forester, **SJ Converse**, C Darst, and S Morey. 2019. Improving conservation policy with genomics: a guide to integrating adaptive potential into U.S. Endangered Species Act decisions for conservation practitioners and geneticists. *Conservation Genetics* 20:115-134.
- Kadin M, M Frederiksen, S Niiranen, and **SJ Converse**. 2019. Linking demographic and food-web models to understand management trade-offs. *Ecology and Evolution* 9:8587-8600.
- Lloyd NA, NJ Hostetter, CL Jackson, **SJ Converse**, and A Moehrensclager. 2019. Optimizing release strategies: a stepping-stone approach to reintroduction. *Animal Conservation* 22:105-115.
- Lloyd NA, NJ Hostetter, CL Jackson, **SJ Converse**, and A Moehrensclager. 2019. Response: future directions to escalate benefits of the stepping-stone approach for conservation translocations. *Animal Conservation* 22:122-123.
- Teitelbaum CS, **SJ Converse**, and T Mueller. 2019. The importance of early life experience and animal cultures in reintroductions. *Conservation Letters* 12:e12599.
- Barzen JA, **SJ Converse**, PH Adler, A Lacy, E Gray, and A Gossens. 2018. Examination of multiple working hypotheses to address reproductive failure in reintroduced Whooping Cranes. *The Condor* 120:632-649.
- Cummings JW, **SJ Converse**, DR Smith, S Morey, and MC Runge. 2018. Implicit decision framing as an unrecognized source of confusion in endangered species classification. *Conservation Biology* 32:1246-1254.
- Gerber BD, **SJ Converse**, E Muths, HJ Crockett, BA Mosher, and LL Bailey. 2018. Identifying species conservation strategies to reduce disease-associated declines. *Conservation Letters* 11:1-10
- Link WA, **SJ Converse**, AA Yackel Adams, and NJ Hostetter. 2018. Analysis of population change and movement using robust design removal data. *Journal of Agricultural, Biological, and Environmental Statistics* 23:463-447.
- Regehr EV, NJ Hostetter, RR Wilson, KD Rode, M St. Martin, and **SJ Converse**. 2018. Integrated population modeling provides the first empirical estimates of vital rates and abundance for polar bears in the Chukchi Sea. *Scientific Reports* 8:16780.
- Clement MJ, **SJ Converse**, and JA Royle. 2017. Accounting for imperfect detection of groups and

- individuals when estimating abundance. *Ecology and Evolution* 7:7304-7310.
- Converse SJ**, LL Bailey, BA Mosher, WC Funk, and E Muths. 2017. A model to inform management actions as a response to chytridiomycosis-associated decline. *EcoHealth* 14(Suppl 1): 144-155.
- Teitelbaum CS, **SJ Converse**, and T Mueller. 2017. Birds choose long-term partners years before breeding. *Animal Behaviour* 134:147-154.
- Brown ME, **SJ Converse**, JN Chandler, AL Crosier, W Lynch, DE Wildt, CL Keefer, and N Songsasen. 2016. Time within reproductive season, but not age or inbreeding coefficient, influences seminal and sperm quality in the whooping crane (*Grus americana*). *Reproduction, Fertility, and Development* 29:294-306.
- Brown ME, **SJ Converse**, JN Chandler, C Shafer, JL Brown, CL Keefer, and N Songsasen. 2016. Female gonadal hormones and reproductive behaviors as key determinants of successful reproductive output of breeding whooping cranes (*Grus americana*). *General and Comparative Endocrinology* 230:158-165.
- Canessa S, G Guillera-Arroita, J Lahoz-Monfort, DM Southwell, DP Armstrong, I Chadès, RC Lacy, and **SJ Converse**. 2016. Adaptive management for improving species conservation across the captive-wild spectrum. *Biological Conservation* 199:123-131.
- Canessa S, **SJ Converse**, M West, N Clemman, G Gillespie, M McFadden, AJ Silla, KM Parris, and MA McCarthy. 2016. Planning for ex-situ conservation in the face of uncertainty. *Conservation Biology* 30:599-609.
- Lyons JE, WL Kendall, JA Royle, **SJ Converse**, BA Andres, and JB Buchanan. 2016. Population size and stopover duration estimation using mark-resight data and Bayesian analysis of a superpopulation model. *Biometrics* 72:262-271.
- Lunn NJ, S Servanty, EV Regehr, **SJ Converse**, E Richardson, and I Stirling. 2016. Demography of an apex predator at the edge of its range – impacts of changing sea ice on polar bears in Hudson Bay. *Ecological Applications* 26:1302-1320.
- Teitelbaum CS, **SJ Converse**, WF Fagan, K Böhning-Gaese, RB O’Hara, AE Lacy, and T Mueller. 2016. Experience drives innovation of new migration patterns in response to global change. *Nature Communications* 7:12793.
- Canessa S, G Guillera-Arroita, J Lahoz-Monfort, DM Southwell, DP Armstrong, I Chadès, RC Lacy, and **SJ Converse**. 2015. When do we need further research? A primer on calculating the value of information for applied ecology. *Methods in Ecology and Evolution* 6:1219-1228.
- Klimstra RL, CE Moorman, **SJ Converse**, JA Royle, and CA Harper. 2015. Small mammal use of hayed native warm-season and non-native cool-season forage fields. *Wildlife Society Bulletin* 39:49-55.
- Brown ME, RC Doyle, JN Chandler, GH Olsen, JB French Jr., DE Wildt, **SJ Converse**, CL Keefer, and N Songsasen. 2014. Chromic and iron oxides as fecal markers to identify individual whooping cranes. *Proceedings of the North American Crane Workshop* 9:68-72.
- Krause A, D Golovin, and **SJ Converse**. 2014. Sequential decision making in computational sustainability via adaptive submodularity. *Artificial Intelligence Magazine* 35:8-18.
- Royle JA and **SJ Converse**. 2014. Hierarchical spatial capture-recapture models: modeling population density from replicated capture-recapture experiments. *Methods in Ecology and Evolution* 5:37-43.
- Servanty S, **SJ Converse**, and LL Bailey. 2014. Demography of a reintroduced population: moving toward management models for an endangered species, the whooping crane. *Ecological Applications* 24:927-937.
- Converse SJ**, CT Moore, and DP Armstrong. 2013. Demographics of reintroduced populations: estimation, modeling, and decision analysis. *Journal of Wildlife Management* 77:1081-1093.
- Converse SJ**, CT Moore, MJ Folk, and MC Runge. 2013. A matter of tradeoffs: reintroduction as a multiple objective decision. *Journal of Wildlife Management* 77:1145-1156.
- Converse SJ**, JA Royle, PH Adler, RP Urbanek, and JA Barzen. 2013. A hierarchical nest survival model integrating incomplete temporally-varying covariates. *Ecology and Evolution* 3:4439-4447

- Mueller T, RB O'Hara, **SJ Converse**, RP Urbanek, and WF Fagan. 2013. Social learning of migratory performance. *Science* 341:999-1002.
- Campbell EW III, AA Yackel Adams, **SJ Converse**, TH Fritts, and GH Rodda. 2012. Do predators control prey species abundance? An experimental test with brown treesnakes on Guam. *Ecology* 93:1194-1203.
- Smith DHV, A Moehrenschrager, N Christensen, D Knapik, K Gibson, and **SJ Converse**. 2012. Archive eggs: a research and management tool for avian conservation breeding. *Wildlife Society Bulletin* 36:342-349.
- Converse SJ**, JA Royle, and RP Urbanek. 2012. Bayesian analysis of multi-state data with individual covariates for estimating genetic effects on demography. *Journal of Ornithology* 152:S561-S572.
- Moore CT, **SJ Converse**, MJ Folk, MC Runge, and SA Nesbitt. 2012. Evaluating release alternatives for a long-lived bird species under uncertainty about long-term demographic rates. *Journal of Ornithology* 152:S330-S353.
- Converse SJ**, KJ Shelley, S Morey, J Chan, A LaTier, C Scafidi, DT Crouse, and MC Runge. 2011. A decision-analytic approach to the optimal allocation of resources for endangered species consultation. *Biological Conservation* 144:319-329.
- Golovin D, A Krause, B Gardner, **SJ Converse**, and S Morey. 2011. Dynamic resource allocation in conservation planning. *Proceedings of the AAAI Conference on Artificial Intelligence* 25:1331-1336.
- Runge MC, **SJ Converse**, and JE Lyons. 2011. Which uncertainty? Using expert elicitation and expected value of information to design an adaptive program. *Biological Conservation* 144:1214-1223.
- Smith DHV, **SJ Converse**, KW Gibson, A Moehrenschrager, WA Link, GH Olsen, and K Maguire. 2011. Decision analysis for conservation breeding: maximizing production for reintroduction of whooping cranes. *Journal of Wildlife Management* 75:501-508.
- Tyre AJ, JT Peterson, **SJ Converse**, T Bogich, D Miller, M Post van der Burg, C Thomas, R Thompson, J Wood, DC Brewer, and MC Runge. 2011. Adaptive management of bull trout populations in the Lemhi Basin. *Journal of Fish and Wildlife Management* 2:262-281.
- Bailey LL, **SJ Converse**, and WL Kendall. 2010. Bias, precision, and parameter redundancy in complex multi-state models with unobservable states. *Ecology* 91:1598-1604.
- Converse SJ**, JN Chandler, GH Olsen, and CC Shafer. 2010. Evaluating propagation method performance over time with Bayesian updating: an application to incubator testing at USGS Patuxent Wildlife Research Center. *Proceedings of the North American Crane Workshop* 11:110-117.
- Farris KL, **SJ Converse**, S Zack, WD Robinson, AJ Amacher, T Contreras, WL Gaines, ES Kilpatrick, JD Lanham, D Miles, G Rompré, KE Sieving, and JC Pierson. 2010. Short-term effects of fire and fire-surrogate treatments on avian nest survival: a national-scale analysis. *Open Environmental Sciences* 4:61-70.
- Martin J, AF O'Connell Jr, WL Kendall, MC Runge, TR Simons, AH Waldstein, SA Schulte, **SJ Converse**, GW Smith, T Pinion, M Rikard, and EF Zipkin. 2010. Optimal control of native predators. *Biological Conservation* 143:1751-1758.
- Converse SJ**, WL Kendall, PF Doherty Jr, and PG Ryan. 2009. Multistate models for estimation of survival and reproduction in grey-headed albatross. *The Auk* 126:77-88.
- Kendall WL, **SJ Converse**, PF Doherty Jr, MB Naughton, JE Hines, A Anders, and E Flint. 2009. Design considerations in demographic studies of animal populations: a case of colonial seabirds. *Ecological Applications* 19:55-68.
- Mazerolle MJ, LL Bailey, WL Kendall, JA Royle, **SJ Converse**, and JD Nichols. 2007. Making great leaps forward in herpetology: accounting for detectability in field studies. *Journal of Herpetology* 41:672-689.
- Converse SJ**, WM Block, and GC White. 2006. Small mammal population and habitat responses to forest thinning and prescribed fire. *Forest Ecology and Management* 228:263-273.
- Converse SJ**, GC White, and WM Block. 2006. Small mammal responses to thinning and wildfire in

ponderosa pine-dominated forests of the southwestern United States. *Journal of Wildlife Management* 70:1711-1722.

- Converse SJ**, GC White, KL Farris, and S Zack. 2006. Small mammal responses to forest fuel reduction: national-scale results from the fire and fire surrogate project. *Ecological Applications* 16:1717-1729.
- Iverson JB, **SJ Converse**, GR Smith, and JM Valiulis. 2006. Long-term trends in the demography of the Allen Cays rock iguana (*Cyclura cyclura inornata*): human disturbance and density-dependent effects. *Biological Conservation* 132:300-310.
- Monroe ME and **SJ Converse**. 2006. The effects of early season and late season prescribed fires on small mammals in a Sierra Nevada mixed conifer forest. *Forest Ecology and Management* 236:229-240.
- Converse SJ**, JB Iverson, and JA Savidge. 2005. Demographics of an ornate box turtle population experiencing minimal human-induced disturbances. *Ecological Applications* 15:2171-2179.
- Converse SJ** and JA Savidge. 2003. Ambient temperature, activity, and microhabitat use by ornate box turtles (*Terrapene ornata ornata*). *Journal of Herpetology* 37:665-670.
- Converse SJ**, JB Iverson, and JA Savidge. 2002. Activity, reproduction and overwintering behavior of ornate box turtles (*Terrapene ornata ornata*) in the Nebraska Sandhills. *American Midland Naturalist* 148:416-422.

Books

- Runge MC, **SJ Converse**, JE Lyons, and DR Smith, editors. 2020. Structured decision making: case studies in natural resource management. Johns Hopkins University Press, Baltimore, Maryland, USA
- French JB Jr, **SJ Converse**, and JE Austin, editors. 2018. Whooping Cranes: biology and conservation. Biodiversity of the world: conservation from genes to landscapes. Academic Press, San Diego, California, USA.

Book Chapters

- Ewen JG, S Canessa, **SJ Converse**, and KA Parker. 2023. Decision making in animal translocations: biological considerations and beyond. Chapter in Gaywood M, Ewen JG, Hollingsworth P, and A Moehrensclager. Conservation Translocations. Cambridge University Press.
- Converse SJ**, B Gardner, and S Morey. 2020. Reserve network design for prairie-dependent taxa in South Puget Sound. Pages 124-134 in MC Runge, SJ Converse, JE Lyons, and DR Smith. Structured decision making: case studies in natural resource management. Johns Hopkins University Press, Baltimore, Maryland, USA.
- Converse SJ**. 2020. Introduction to multi-criteria decision analysis. Pages 51-61 in MC Runge, SJ Converse, JE Lyons, and DR Smith. Structured decision making: case studies in natural resource management. Johns Hopkins University Press, Baltimore, Maryland, USA.
- Converse SJ**. 2020. Prioritizing uncertainties to improve management of a reintroduction program. Pages 214-224 in MC Runge, SJ Converse, JE Lyons, and DR Smith. Structured decision making: case studies in natural resource management. Johns Hopkins University Press, Baltimore, Maryland, USA.
- Runge MC and **SJ Converse**. 2020. Introduction to risk analysis. Pages 149-155 in MC Runge, SJ Converse, JE Lyons, and DR Smith. Structured decision making: case studies in natural resource management. Johns Hopkins University Press, Baltimore, Maryland, USA.
- Royle JA and **SJ Converse**. 2020. Estimating abundance from capture-recapture data. Pages in 103-122 D Murray and B Sandercock, editors. Population ecology in practice: underused, misused, and abused methods. Wiley-Blackwell, Hoboken, USA.
- Converse SJ**, JB French Jr, and JE Austin. 2019. Future of Whooping Crane conservation and

- science. Pages 505-516 in JB French Jr, SJ Converse, and JE Austin, editors. Whooping Cranes: biology and conservation. Biodiversity of the world: conservation from genes to landscapes. Academic Press, San Diego, California, USA.
- Converse SJ**, S Servanty, CT Moore, and MC Runge. 2019. Population dynamics of reintroduced Whooping Cranes. Pages 139-160 in JB French Jr, SJ Converse, and JE Austin, editors. Whooping Cranes: biology and conservation. Biodiversity of the world: conservation from genes to landscapes. Academic Press, San Diego, California, USA.
- Converse SJ**, BN Strobel, and JA Barzen. 2019. Reproductive failure in the eastern migratory population: the interaction of research and management. Pages 161-178 in JB French Jr, SJ Converse, and JE Austin, editors. Whooping Cranes: biology and conservation. Biodiversity of the world: conservation from genes to landscapes. Academic Press, San Diego, California, USA.
- French JB Jr, **SJ Converse**, and JE Austin. 2019. Whooping cranes past and present. Pages 3-16 in JB French Jr, SJ Converse, and JE Austin, editors. Whooping Cranes: biology and conservation. Biodiversity of the world: conservation from genes to landscapes. Academic Press, San Diego, California, USA.
- Songsasen N, **SJ Converse**, and ME Brown. 2019. Reproduction and reproductive technologies relevant to management of whooping cranes *ex situ*. Pages 373-387 in JB French Jr, SJ Converse, and JE Austin, editors. Whooping Cranes: biology and conservation. Biodiversity of the world: conservation from genes to landscapes. Academic Press, San Diego, California, USA.
- Teitelbaum CS, **SJ Converse**, WF Fagan, and T Mueller. 2019. Movement ecology of reintroduced migratory whooping cranes. Pages 217-238 in JB French Jr, SJ Converse, and JE Austin, editors. Whooping Cranes: biology and conservation. Biodiversity of the world: conservation from genes to landscapes. Academic Press, San Diego, California, USA.
- Garrard GE, L Rumpff, MC Runge, and **SJ Converse**. 2017. Rapid prototyping for decision structuring: an efficient approach to conservation decision analysis. Pages 46-64 in N Bunnefeld, E Nicholson, and EJ Milner-Gulland, editors. Decision-making in conservation and natural resource management: models for interdisciplinary approaches. Cambridge University Press, Cambridge, United Kingdom.
- Converse SJ** and DP Armstrong. 2016. Demographic modeling for reintroduction decision-making. Pages 123-146 in DS Jachowski, JJ Millspaugh, PL Angermeier, and R Slotow, editors. Reintroduction of fish and wildlife populations. University of California Press, Oakland, California, USA.
- Converse SJ** and JA Royle. 2012. Dealing with incomplete and variable detectability in multi-year, multi-site monitoring of ecological populations. Pages 426-442 in RA Gitzen, JJ Millspaugh, AB Cooper and DS Licht, editors. Design and analysis of long-term ecological monitoring studies. Cambridge University Press, Cambridge, United Kingdom.
- Converse SJ**, WL Kendall, PF Doherty Jr, MB Naughton, and JE Hines. 2009. A traditional and a less-invasive robust design: choices in optimizing effort allocation for seabird population studies. Pages 727-744 in DL Thomson, EG Cooch and MC Conroy, editors. Modeling demographic processes in marked populations. Springer Science+Business Media, New York, New York, USA.
- Converse SJ**, BG Dickson, GC White, and WM Block. 2004. Estimating small mammal abundance on fuels treatment units in southwestern ponderosa pine forests. Pages 113-120 in C van Riper III and KL Cole, editors. The Colorado Plateau: cultural, biological, and physical research. University of Arizona Press, Tucson, Arizona, USA.

Peer-Reviewed Government Publications

- Cummings JW, **SJ Converse**, CT Moore, DR Smith, CT Nichols, NL Allan, and CM O'Meilia. 2017. A projection of lesser prairie-chicken (*Tympanuchus pallidicinctus*) populations range-wide. USGS Open File Report 2017-1071.

Lunn NJ, EV Regehr, S Servanty, **SJ Converse**, E Richardson, and I Stirling. 2014. Demography and population assessment of polar bears in Western Hudson Bay, Canada. Environment Canada Research Report.

Converse SJ. 2011. Appendix C. Structured decision making for energy exploration and development decisions on the Arctic Outer Continental Shelf. Pages 243-249 *in* L Holland-Bartels and B Pierce, editors. An evaluation of the science needs to inform decisions on Outer Continental Shelf energy development in the Chukchi and Beaufort Seas, Alaska. US Geological Survey Circular 1370.

Other Publications

Runge MC, KE Jenni, SJ Converse, DR Smith, MR Price, AF Isham, eds. Decision Analysis: Tools, 2021 edition. U.S. Fish and Wildlife Service, National Conservation Training Center, Shepherdstown, West Virginia, USA.

Royle JA, **SJ Converse**, and WA Link. 2012. Data augmentation for hierarchical capture-recapture models. arXiv 1211.5706.

Runge MC, JF Cochrane, **SJ Converse**, JA Szymanski, DR Smith, JE Lyons, MJ Eaton, A Matz, P Barrett, JD Nichols, and MJ Parkin. 2011. An overview of structured decision making: a two-day course for managers of natural resources, Revised Edition. National Conservation Training Center, Shepherdstown, West Virginia.

Converse SJ. 2009. Book review: cranes: a natural history of a bird in crisis, by Janice M. Hughes. Wilson Journal of Ornithology 121:219-221.

Runge MC, JF Cochrane, **SJ Converse**, JA Szymanski, DR Smith, JE Lyons, MJ Eaton, A Matz, P Barrett, JD Nichols, MJ Parkin, K Motivans, and DC Brewer. 2009. Introduction to structured decision making, 5th edition. National Conservation Training Center, Shepherdstown, West Virginia.

Shelley K, D Crouse, J Chan, **SJ Converse**, A LaTier, S Morey, and C Scafidi. 2009. Using Section 7 as a recovery tool. USFWS Endangered Species Bulletin 34:54-55.

Converse SJ. 2005. Small mammal responses to forest restoration and fuel reduction. PhD Dissertation. Colorado State University, Fort Collins, Colorado.

Converse SJ and DS Baker. 2000. Geographic distribution, *Lampropeltis triangulum multistrata*. Herpetological Review 31:186.

Converse SJ. 1999. Habitat selection and population response to commercial harvest of Nebraska ornate box turtles. MS Thesis. University of Nebraska, Lincoln, Nebraska.

PRESENTATIONS

Invited Presentations – Scientific Meetings

Amburgey SA, AA Yackel Adams, SR Siers, B Gardner, and **SJ Converse**. 2022. Optimizing monitoring of invasive brown treesnakes. Brown Treesnake Technical Working Group Annual Meeting, Guam, USA. 14-18 November.

Converse SJ. 2022. Thinking like a decision analyst: how to make your science most useful to managers of conservation translocations. The Wildlife Society Conference, Spokane, Washington, USA. 6-10 November.

Miller, MA, B Daykin, NJ Hostetter, AA Yackel Adams, **SJ Converse**, and FJ Mazzotti. 2022. Assessment of Invasive Species Control. Everglades Cooperative Invasive Species Management Area (ECISMA) Everglades Invasive Species Summit, Davie, Florida. 19 July.

Gardner B, BT McClintock, **SJ Converse**, and NJ Hostetter. 2021. Integrating animal movement processes into spatial capture-recapture models. International Conference on Advances in Interdisciplinary Statistics And Combinatorics, Greensboro, North Carolina. 8-10 October.

- Sorel MH, RW Zabel, DS Johnson, AM Wargo Rub and **SJ Converse**. 2021. Association between pinniped abundance and survival for individual populations of adult spring/summer Chinook salmon in the lower Columbia River. American Fisheries Society Idaho Chapter Annual Meeting, Online. 1-5 March.
- Hostetter NJ, AA Yackel-Adams, SM Amburgey, WA Link, and **SJ Converse**. 2020. Optimizing eradication strategies for an incipient population of brown treesnakes on Cocos Island. Brown Treesnake Technical Working Group, Online. 9-18 November.
- Amburgey SM, AA Yackel-Adams, B Gardner, **SJ Converse**. 2020. Camera traps for early detection and rapid response and management of an invasive reptile. World Congress of Herpetology, Dunedin, New Zealand. 5-10 January.
- Converse SJ**, NJ Hostetter, WA Link, SM Amburgey, AA Yackel Adams. 2020. Decision analysis for early detection and rapid response: modeling to advance identification of optimal management. World Congress of Herpetology, Dunedin, New Zealand. 5-10 January.
- Doll CF, **SJ Converse**, and CB Schultz. 2019. Evaluating non-target effects of herbicides on Zerene fritillary (*Speyeria zerene zerene*), a surrogate for Oregon silverspot (*Speyeria zerene hippolyta*). Entomological Society of America Annual Meeting, St Louis, Missouri. 17-20 November.
- Converse SJ** and WC Funk. 2019. Focusing on values: decision analysis as a conceptual framework for integration of genetic and demographic considerations in conservation translocations. American Fisheries Society & The Wildlife Society Joint Conference, Reno, Nevada. 29 September - 3 October.
- Converse SJ**. 2018. Reintroductions and uncertainty: avoiding paralysis. International Wildlife Reintroduction Conference. Chicago, Illinois; 14-16 November.
- Converse SJ**, CS Teitelbaum, P Mendgen, AT Pearse, B Abrahms, and T Mueller. 2018. Culture shapes movements in a reintroduced migratory bird. Symposium on Reintroducing Migratory Birds. Chicago, Illinois; 17 November.
- Hostetter NJ, **SJ Converse**, EV Regehr, JA Royle, and RR Wilson. 2018. Integrating spatial capture-recapture and telemetry data to jointly estimate abundance and movement. The Wildlife Society Annual Conference, 7-11 October; Cleveland, Ohio, USA.
- Yackel-Adams AA, **SJ Converse**, WA Link, B Lardner, and RN Reed. 2017. Improving early detection and rapid response for cryptic species: current analytical tools and future directions. Natural Areas Conference, 10-12 October; Fort Collins, Colorado, USA.
- Cummings JW, **SJ Converse**, DR Smith, S Morey, and MC Runge. 2017. We have been talking past each other: an analysis of decision framings for endangered species classification. The Wildlife Society 24th Annual Conference, 23-27 September; Albuquerque, New Mexico, USA.
- Funk WC, **SJ Converse**, C Darst, BR Forrester, and SR Morey. 2017. Incorporating information on adaptive potential into conservation policy: integrating genomics into Endangered Species Act decisions. Symposium on Conservation of Adaptive Potential and Functional Diversity, 14-15 September; Durham, United Kingdom.
- Hostetter NJ, **SJ Converse**, and EV Regehr. 2017. Study design considerations for integrated population models: improving conservation and management of polar bears. Ecological Society of American Annual Meeting, 6-11 August; Portland, Oregon, USA.
- Converse SJ** and M Schaub. 2017. Making it count: advancing Integrated Population Modeling for decision-making. EURING Analytical Meeting and Workshop, 2-7 July; Barcelona, Spain.
- Converse SJ**. 2016. Applications of decision analysis in wildlife population reintroduction. The Wildlife Society 23rd Annual Conference, 15-19 October; Raleigh, North Carolina, USA.
- Gerber BD, LL Bailey, **SJ Converse**, and E Muths. 2016. Conservation decision making via spatially-explicit meta-population dynamics of an amphibian-pathogen system. The Wildlife Society 23rd Annual Conference, 15-19 October; Raleigh, North Carolina, USA.
- Converse SJ**, C Horswill, RJ Cuthbert, S Oppel, AL Bond, J Cooper, and PG Ryan. 2016. Integrated population modeling for species with complex life histories: application to Atlantic Yellow-nosed Albatross. North American Ornithological Conference, 16-20 August; Washington, DC, USA.
- Converse SJ**. 2016. Decision analysis and endangered species management: challenges and

opportunities. Ecological Society of America Annual Meeting, 7-12 August; Fort Lauderdale, Florida, USA.

- Converse SJ**, J Cooper, RJ Cuthbert, AL Bond, S Oppel, and PG Ryan. 2015. Modelling survival, breeding, and recruitment from long-term data to parameterize a Bayesian population viability analysis for an endangered albatross. 2nd World Seabird Conference, 26-30 October; Cape Town, South Africa.
- Converse SJ** and JA Royle. 2015. Modeling density in stratified populations using hierarchical spatial capture-recapture. Ecological Society of America Annual Meeting, 9-14 August; Baltimore, Maryland, USA.
- Converse SJ**, LL Bailey, B Mosher, E Muths, and WC Funk. 2015. Decision analysis and expert judgment: implications for disease risk analysis in reintroductions. Zoological Society of London Symposium on Health and Disease in Translocated Wild Animals, 14-15 May; London, United Kingdom.
- Barzen JA, **SJ Converse**, PH Adler, E Gray, AE Lacy, E Szyszkoski, and A Gossens. 2014. Influences on nest success in a reintroduced population of whooping cranes. The 13th North American Crane Workshop, 14-18 April; Lafayette, Louisiana, USA.
- Converse SJ**, S Servanty, PJ Heglund, and MC Runge. 2014. Predicting outcomes of reintroduction strategies in a decision-analytic setting. The 13th North American Crane Workshop, 14-18 April; Lafayette, Louisiana, USA.
- Mueller T, **SJ Converse**, RB O'Hara, RP Urbanek, and WF Fagan. 2014. Social learning of migratory performance. The 13th North American Crane Workshop, 14-18 April; Lafayette, Louisiana, USA.
- Olsen GH and **SJ Converse**. 2014. Parent-rearing and releasing whooping cranes in Wisconsin. The 13th North American Crane Workshop, 14-18 April; Lafayette, Louisiana, USA.
- Converse SJ** and JA Royle. 2012. Modeling population density based on replicated capture-recapture experiments. The Wildlife Society 19th Annual Conference, 13-18 October; Portland, Oregon, USA.
- Converse SJ**. 2011. Decision analysis for resource management via Landscape Conservation Cooperatives. The Wildlife Society 18th Annual Conference, 5-10 November; Waikoloa, Hawaii, USA.
- Converse SJ**, CT Moore, MJ Folk, and MC Runge. 2011. A matter of tradeoffs: reintroduction as a multi-criteria decision. The Wildlife Society 18th Annual Conference, 5-10 November; Waikoloa, Hawaii, USA.
- Servanty S, **SJ Converse**, and LL Bailey. 2011. Population modeling for a migratory whooping crane reintroduction effort: can we hope for success? The Wildlife Society 18th Annual Conference, 5-10 November; Waikoloa, Hawaii, USA.
- Converse SJ**, J Cooper, RJ Cuthbert, and PG Ryan. 2010. Bayesian multi-state modeling of Atlantic yellow-nosed albatross demography. 1st World Seabird Conference, 7-11 September; Victoria, Canada.

Selected Invited Seminars

- Converse SJ**. 2022. Modeling the recolonizing gray wolf population in Washington State: challenges and outcomes. NOAA Northwest Fisheries Science Center, online; 28 April 2022.
- Converse SJ**. 2022. Modeling the recolonizing gray wolf population in Washington State: challenges and outcomes (Otis Seminar Speaker). Department of Fish, Wildlife, and Conservation Biology, Colorado State University, Fort Collins, Colorado, USA; 15 April 2022.
- Converse SJ**. 2022. Structured decision making and invasive species management. USGS Invasive Species Community of Practice, online; 21 January 2022.
- Converse SJ**. 2021. Decision analysis for promoting conservation action. Road to Recovery Network, Georgetown University, Washington, DC, USA; 27 July 2021.
- Converse SJ**. Synchrony in seabird survival: drivers at multiple spatial scales. School of Aquatic and

- Fishery Sciences, University of Washington, Seattle, Washington, USA; 5 March 2021.
- Converse SJ.** Reintroduction biology: directions in science and conservation management. Ecology, Evolution, and Behavior Program, Michigan State University, East Lansing, Michigan, USA; 18 October 2018.
- Converse SJ.** Monitoring and modeling threatened populations makes for better management. Washington State University, Vancouver, Washington, USA; 12 February 2018.
- Converse SJ.** Tough choices: making better decisions for greater conservation success. Zoological Society of London, London, United Kingdom; 28 November 2017.
- Converse SJ.** Modeling threatened populations: a decision-analytic approach. Washington State University, Pullman, Washington, USA; 2 October 2017.
- Converse SJ.** Uncertainty and the analysis of reintroduction decisions. University of Georgia, Athens, Georgia, USA; 2 March 2017.
- Converse SJ.** Managing threatened populations: the complementary roles of quantitative ecology and decision analysis. Migratory Bird Center, Smithsonian National Zoo, Washington, DC, USA; 13 May 2016.
- Converse SJ.** Decision analysis for reintroductions: shaping a restoration program for endangered whooping cranes. Plant Biology and Conservation Program, Northwestern University and Chicago Botanic Garden, Glencoe, Illinois, USA; 1 May 2014.
- Converse SJ.** Population ecology and management of reintroduced whooping cranes. Pennsylvania State University, State College, Pennsylvania, USA; 8 November 2013.
- Converse SJ.** Decision-analytic applications in the management of endangered species. Colorado State University, Fort Collins, Colorado, USA; 1 October 2010.
- Converse SJ.** Decision-analytic applications in management of a captive breeding and release program. University of Melbourne, Melbourne, Australia; 4 May 2010.
- Converse SJ.** Decision-analytic applications in management of a captive breeding and release program. University of Queensland, Brisbane, Australia; 28 April 2010.
- Converse SJ.** Climate change adaptation: how structured decision-making can contribute. Defenders of Wildlife, Washington, DC, USA; 18 December 2009.
- Converse SJ.** Whooping crane restoration: science and management in the face of uncertainty. Migratory Bird Center, Smithsonian National Zoo, Washington, DC, USA; 13 February 2009.

Contributed Presentations and Posters – Scientific Meetings

>100 contributed presentations from 2002-present as author or coauthor and >10 contributed posters from 2002-present as author or coauthor; full list available upon request

GRANTS RECEIVED

Research Grant (PI). Washington Department of Fish and Wildlife. Assessing threats to Cascade red fox, 2023. \$59,806

Research Grant (PI). American Wildlife Conservation Foundation. Evaluating status and threats to foraging habitat for Rhinoceros Auklets in the Salish Sea, 2022; \$5,200

Research Grant (PI). US Fish and Wildlife Service. Assessing threats to critical seabird foraging habitat in the Salish Sea, 2022; \$9,434

Research Grant (PI). US Geological Survey. Assessing anthropogenic threats and predation/competition from coyotes on Cascade red fox combining spatial capture-recapture methods and historical Indigenous knowledge, 2022; \$74,175

Research Grant (co-PI). US Fish and Wildlife Service. Monitoring Tufted Puffins in the United States, 2021. \$121,333

Research Grant (co-PI). US Geological Survey. Improving our tools for combating invasive species, 2021. \$124,653

Research Grant (PI). US Navy Commander Joint Region Marianas. Developing a framework for coordinated management of vertebrate restoration and brown treesnake control on Guam: Phase II, 2021; \$110,260

Research Grant (PI). US Navy Commander Joint Region Marianas. Dynamic monitoring and management of brown treesnakes, 2021; \$214,201

Research Grant (PI). Washington Department of Fish and Wildlife. Evaluating sea duck detectability in the Puget Sound winter ambient monitoring program, 2021. \$206,470

Research Grant (co-PI). Washington Department of Fish and Wildlife. Maximizing the value of Salish Sea aerial surveys for sea duck management, 2021. \$206,470

Research Grant (PI). US Fish and Wildlife Service. Evaluating sea duck detectability in the Puget Sound winter ambient monitoring program, 2020. \$80,000

Research Grant (PI). US Geological Survey. Long-term seabird monitoring data analysis to update Channel Islands National Park seabird inventory and monitoring program and inform management and conservation, 2020. \$194,791

Research Grant (PI). US Navy Commander Joint Region Marianas. Optimizing monitoring of brown treesnakes, 2020. \$227,445

Research Grant (PI). Washington Department of Fish and Wildlife. Constructing a modeling tool for wolf status review in Washington, 2020; \$121,799

Research Grant (co-PI). Maine Department of Inland Fisheries and Wildlife. Population model for black bears in Maine, 2019; \$174,596

Research Grant (PI). National Park Service. Long-term seabird monitoring data analysis to update Channel Islands National Park seabird inventory and monitoring program and inform management and conservation, 2019. \$60,000

Research Grant (co-PI). US Geological Survey. Assessing the precision of estimates of population vital rates for polar bears in Alaska, 2019. \$78,128

Research Grant (PI). US Navy Commander Joint Region Marianas. Developing a framework for coordinated management of vertebrate restoration and brown treesnake control on Guam, 2019; \$142,959

Research Grant (PI). Washington Department of Fish and Wildlife. Assessing the fish community in the Chehalis River with occupancy models, 2019; \$20,000

Research Grant (PI). NOAA National Marine Fisheries Service. Integrating data sources to characterize demographic responses of Columbia River salmon and steelhead to threats and management actions, 2018; \$136,447

Research Grant (PI). North Pacific Research Board. Integrated abundance and movement models for marine mammals, 2018; \$283,781

Research Grant (co-PI). US Geological Survey. Early detection and rapid response quantitative model development and evaluation, 2018. \$34,000

Research Grant (PI). US Geological Survey. Restoration tools for Oregon silverspot butterfly, 2018. \$97,720

Research Grant (PI). US Navy Commander Joint Region Marianas. Evaluating statistical methods for estimating density of invasive brown treesnakes from camera trapping data, 2018; \$186,385

Research Grant (PI). Washington Department of Fish and Wildlife. Understanding Common Loon distribution and abundance in Washington, 2018. \$43,630

Research Grant (co-PI). Private donors to the University of Washington. Seabird ecology and conservation at Tetiaroa, French Polynesia, 2017. \$278,957

Research Grant (PI). US Geological Survey. Understanding Common Loon distribution and abundance in Washington, 2017. \$9,545

Research Grant (PI). US Fish and Wildlife Service. Improved design and analysis of polar bear population studies, 2016. \$20,000

Research Grant (PI). US Fish and Wildlife Service. Model development for Chukchi Sea polar bears, 2016. \$61,371

Research Grant (PI). US Fish and Wildlife Service. Population modeling for the lesser prairie-chicken, 2016. \$37,296

Research Grant (PI). US Geological Survey Science Support Program. Improved design and analysis of polar bear population studies, 2016. \$173,467

Research Grant (PI). US Fish and Wildlife Service. Landscape level population modeling as a decision support tool for the lesser prairie-chicken, 2015. \$200,000

Technical Assistance Grant (co-PI). US Geological Survey. Structured decision making for determining status of sage grouse under the Endangered Species Act, 2014. \$309,175

Technical Assistance Grant (co-PI). US Geological Survey Amphibian and Reptile Monitoring Initiative. Structured decision making and boreal toad conservation planning, 2014. \$43,455

Research Grant (PI). US Geological Survey Science Support Program. Investigating the influence of captive environment on whooping crane reproduction, 2012. \$138,465

Research Grant (PI). US Fish and Wildlife Service. Demography of polar bears in Western Hudson Bay and design considerations for capture-recapture studies, 2011. \$65,000

Research Grant (PI). US Fish and Wildlife Service. Modeling and decision support for management of the eastern migratory population of whooping cranes, 2011. \$20,000

Technical Assistance Grant (PI). US Fish and Wildlife Service, Structured decision making curriculum support, 2011. \$44,006

Research Grant (PI). US Geological Survey Science Support Program, Modeling and decision support for management of the eastern migratory population of whooping cranes, 2011. \$98,036

Research Grant (co-PI). US Geological Survey Science Support Program, Increasing the effectiveness of structured decision making within the US Fish and Wildlife Service, 2010. \$173,000

Research Grant (PI). US Fish and Wildlife Service, Whooping crane reintroduction – evaluation and decision-making, 2009. \$57,239

Research Grant (PI). National Fish and Wildlife Foundation, Whooping crane reintroduction – evaluation and decision-making, 2008. \$107,180

Research Grant (PI), US Fish and Wildlife Service, Optimal reserve design in the south Puget Sound prairie ecosystem, 2008. \$53,140

Research Grant (PI), US Geological Survey Quick Response Program, Adaptive management of impoundments and whooping crane habitat at Necedah National Wildlife Refuge, 2008. \$15,040

RECENT HONORS AND AWARDS

University of Washington, College of the Environment, Outstanding Diversity Commitment Award, 2022

University of Washington, School of Environmental and Forest Sciences, Director's Award for Faculty Service, 2020

Department of Interior, Distinguished Service Award, 2019

US Fish and Wildlife Service Special Award, In Appreciation of Outstanding Contributions to the National Conservation Training Center's Decision Analysis Training Curriculum, 2016

Conference Best Paper Award, Proceedings of the AAAI Conference on Artificial Intelligence, 2011

Department of Interior STAR (Special Thanks for Achieving Results) Award, for work with Beaufort and Chukchi Seas outer continental shelf energy development science evaluation team, 2011

Department of Interior STAR (Special Thanks for Achieving Results) Award, for work with Whooping Crane Eastern Partnership, 2009

Department of Interior STAR (Special Thanks for Achieving Results) Award, for work with Washington Fish and Wildlife Office, 2009

Department of Interior STAR (Special Thanks for Achieving Results) Award, for work with Northeast Region Fisheries Program, 2008

TEACHING EXPERIENCE

University Courses

QERM 514, Analysis of Ecological and Environmental Data, University of Washington

FISH-SEFS 577, Demographic Estimation and Modeling, University of Washington

FISH 507-SOE 592, Introduction to Structured Decision Making, University of Washington/Washington State University

Professional Training Workshops

Co-instructor, Decision Analysis: Tools (1-week training workshop, in collaboration with the US Fish and Wildlife Service National Conservation Training Center)

Co-instructor, Applying the Guidelines for Reintroductions and Other Conservation Translocations (1-week training workshop, in collaboration with the IUCN Conservation Translocation Specialist Group)

Co-instructor, Bayesian Integrated Population Modeling using BUGS and JAGS (1-week training workshop, in collaboration with Swiss Ornithological Institute)

Co-instructor, Program MARK Workshop (1-week training workshop, in collaboration with Colorado State University)

Co-instructor, An Overview of Structured Decision Making (2-day training workshop, in collaboration with the US Fish and Wildlife Service National Conservation Training Center)

Co-instructor, Decision Analysis: Elicitation and Facilitation (1-week training workshop, in collaboration with the US Fish and Wildlife Service National Conservation Training Center)

Co-instructor, Introduction to Structured Decision Making (1-week training workshop, in collaboration with the US Fish and Wildlife Service National Conservation Training Center)

Co-leader, Structured Decision Making and Rapid Prototyping (1-week practicum, in collaboration with the US Fish and Wildlife Service National Conservation Training Center)

GRADUATE STUDENT AND POST-DOCTORAL ADVISING

Graduate Students – Current

Abby Bratt. Ph.D. Student, University of Washington (Supervisor). Expected Completion: 2023.

Amelia DuVall. M.S. Student, University of Washington (Supervisor). Expected Completion: 2022.

Eve Hallock. M.S. Student, University of Washington (Supervisor). Expected Completion: 2025.

Liam Pendleton. M.S. Student, University of Washington (Supervisor). Expected Completion: 2023.

Nathan Redon. M.S. Student, University of Washington (Supervisor). Expected Completion: 2025.

Brielle Thompson. M.S. Student, University of Washington (co-Supervisor). Expected Completion: 2022.

Hannah Sipe. Ph.D. Student, University of Washington (Supervisor). Expected Completion: 2023.

Graduate Students – Completed

Mark Sorel. Informing salmon conservation with population models that account for individual heterogeneity. Ph.D. Dissertation, University of Washington, Seattle, Washington, USA (Supervisor). Completed: 2022.

Amanda Warlick. Understanding the effects of environmental variability on demography in species with complex life histories through integrated population modeling. Ph.D. Dissertation, University of Washington, Seattle, Washington, USA (Supervisor). Completed: 2022.

Hannah Sipe. Occupancy modeling and study design for common loons in Washington. M.S. Thesis, University of Washington, Seattle, Washington, USA (Supervisor). Completed: 2019.

Megan E. Brown. Biology and management of reproduction in captive cranes. Ph.D. Dissertation, University of Maryland, College Park, Maryland, USA (Co-supervisor). Completed: 2017.

Stefano Canessa. Decision analysis for threatened species management across the captive-wild spectrum. Ph.D. Dissertation, University of Melbourne, Melbourne, Australia (Co-supervisor). Completed: 2015.

Megan E. Brown. Multidisciplinary approach to understanding the poor reproduction in the whooping crane (*Grus americana*). M.S. Thesis, University of Maryland, College Park, Maryland, USA (Co-supervisor). Completed: 2013.

Post-Doctoral Associates

Matthew Farr, Ph.D. 2021-present.

Amanda Warlick, Ph.D. 2022-2022.

Lisanne Petracca, Ph.D. 2020-2022.

Staci Amburgey, Ph.D. 2019-2022.

Martina Kadin, Ph.D. 2017-2020.

Nathan Hostetter, Ph.D. 2016-2020.

Jonathan Cummings, Ph.D. 2014-2017.

Sabrina Servanty, Ph.D. 2009-2013.

PROFESSIONAL SERVICE

Professional Society Membership and Activities

The Ecological Society of America, 2005 to present

Society for Conservation Biology, 1999 to present

The Wildlife Society, 1999 to present

Biometrics Working Group Chair-elect/Chair/Past-chair, elected term Sept. 2013-Sept. 2016

Biometrics Working Group Board Member, elected term Sept. 2006-2007 and Sept. 2009-2010

Journal Editorial Boards

Associate Editor, Conservation Letters, 2021-present.

Associate Editor, Animal Conservation, 2016-2018.

Associate Editor, Journal of Wildlife Management, 2011-2015.

Journal Reviewer

African Journal of Marine Science, Amphibia-Reptilia, Animal Conservation, Auk, Biological Conservation, Biology Letters, Canadian Journal of Fisheries and Aquatic Sciences, Canadian Journal of Zoology, Condor, Conservation Biology, Conservation Letters, Conservation Science and Practice, EcoHealth, Ecological Applications, Ecology, Ecology and Evolution, Forest Ecology and Management, Frontiers in Ecology and Evolution, Functional Ecology, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Field Ornithology, Journal of Herpetology, Journal of Ornithology, Journal of Wildlife Management, Marine Ecology Progress Series, Methods in Ecology and Evolution, PLOS One, Population Ecology, Proceedings of the North American Crane Workshop, Restoration Ecology, The Southwestern Naturalist, Western North American Naturalist, Wildlife Society Bulletin