

<i>CONTACT INFORMATION</i>	Dept. Wildlife Ecology and Conservation 110 Newins-Ziegler Hall University of Florida Gainesville, FL 32611	telephone: +1 608 220 1837 email: gavinjones@ufl.com twitter: @ecologyofgavin web: https://gavinmjones.com
<i>CURRENT POSITIONS</i>	Post-doctoral Researcher, University of Florida Dept. of Wildlife Ecology and Conservation	Gainesville, FL
	Research Statistician, University of Wisconsin Dept. of Forest and Wildlife Ecology	Madison, WI
<i>EDUCATION</i>	University of Wisconsin, Ph.D. Dept. of Forest and Wildlife Ecology, August 2019 <small>minor Statistics</small>	Madison, WI
	University of Wisconsin, M.Sc. Dept. of Forest and Wildlife Ecology, May 2016	Madison, WI
	University of Wisconsin, B.Sc. Dept. of Zoology, May 2011	Madison, WI
<i>AWARDS & DISTINCTIONS</i>	2019 Best Dissertation Award, Dept. Forest and Wildlife Ecology, U. Wisconsin 2018 Student Presentation Award (3 rd Place), The Wildlife Society 2018 Robert B. Berry Award, American Ornithological Society 2017 Best Talk (Early Career Researcher), British Ornithologists Union 2016 McCabe-Keith Graduate Research Excellence Award, U. Wisconsin 2016 Finalist, Best Student Talk, North Am. Congress for Conservation Biology	
<i>RESEARCH FUNDING AND GRANTS</i>	2020-2024 (<u>active</u>) <i>Optimizing forest fuels reductions and biodiversity conservation in the Sierra Nevada under climate change, \$499,825. Source: CA Department of Forestry and Fire Protection – California Climate Investments program. Role: co-PI.</i>	
	2018-2019 <i>Movement ecology and impacts of landscape scale occurrence of severe fire on California spotted owls, \$22,263. Source: The Nature Conservancy – California Lands Program, Role: Senior Personnel.</i>	
	2016-2018. <i>Evaluating the effects of fire risk and forest restoration strategies on the viability of California spotted owls, \$221,100. Source: US Forest Service Region 5. Role: Senior Personnel.</i>	
	2015-2018. <i>Assessing the impacts of the King Fire on California spotted owls, \$323,000. Source: US Forest Service and California Dept. of Fish and Wildlife. Role: Senior Personnel.</i>	

PEER-REVIEWED
PUBLICATIONS

16. **Jones, G. M.**, H. A. Kramer, S. A. Whitmore, W. J. Berigan, D. J. Tempel, C. M. Wood, B. K. Hobart, T. Erker, F. A. Atuo, N. K. Pietruni, R. Kelsey, R. J. Gutiérrez, M. Z. Peery (*In press*) Habitat selection by spotted owls after a megafire reflects their adaptation to historical frequent-fire regimes. *Landscape Ecology*.
15. Hobart, B.K., H.A. Kramer, **G.M. Jones**, B. Dotters, S.A. Whitmore, J.J. Keane, M.Z. Peery (*In press*) Stable isotopes reveal unexpected relationships between fire history and the diet of spotted owls. *Ibis*.
14. Gutiérrez, R.J., **G.M. Jones**, S.M. Redpath, A.B. Franklin, D. Simberloff, M.G. Turner, V.C. Radeloff, G.C. White, M.Z. Peery (2019) Reinforcing the concept of agenda-driven science: a response to Rohlf. *Frontiers in Ecology and the Environment* 17: 556-557. doi.org/10.1002/fee.2131
13. Wood, C.M., **G.M. Jones** (2019) Framing management of social-ecological systems in terms of the cost of failure: the Sierra Nevada, USA as a case study. *Environmental Research Letters* 14: 105004. doi.org/10.1088/1748-9326/ab4033
12. Hobart, B.K., **G.M. Jones**, K.N. Roberts, B. Dotters, S.A. Whitmore, W.J. Berigan, M.G. Raphael, J.J. Keane, R.J. Gutiérrez, M.Z. Peery (2019) Trophic interactions mediate the response of predator populations to habitat change. *Biological Conservation* 238: 108217. doi.org/10.1016/j.biocon.2019.108217
11. **Jones, G.M.**, R.J. Gutiérrez, D.J. Tempel, W.J. Berigan, S.A. Whitmore, M.Z. Peery (2019) Megafire effects on spotted owls: elucidation of a growing threat and a response to Hanson et al. (2018). *Nature Conservation* 37: 31-51. doi.org/10.3897/natureconservation.37.32741
10. Peery, M.Z, **G.M. Jones**, R.J. Gutiérrez, S.M. Redpath, A.B. Franklin, D. Simberloff, M.G. Turner, V.C. Radeloff, G.C. White (2019) The conundrum of agenda-driven science in conservation. *Frontiers in Ecology and the Environment* 17: 80-82. doi.org/10.1002/fee.2006
9. **Jones, G.M.**, M.Z. Peery (2019) Phantom interactions: use odds ratios or risk misinterpreting occupancy models. *The Condor: Ornithological Applications* 121: 1-7. doi.org/10.1093/condor/duy007
8. Berigan, W.J.†, **G.M. Jones**†, S.A. Whitmore, R.J. Gutiérrez, M.Z. Peery (2019) Cryptic wide-ranging movements lead to upwardly-biased occupancy in a territorial species. *Journal of Applied Ecology* 56: 470-480. †co-lead authors doi.org/10.1111/1365-2664.13265
7. **Jones, G.M.**, J.J. Keane, R.J. Gutiérrez, M.Z. Peery (2018) Declining old-forest species as a legacy of large trees lost. *Diversity and Distributions* 24: 341-351. doi.org/10.1111/ddi.12682

6. Tempel, D.J., J.J. Keane, R.J. Gutiérrez, J.D. Wolfe, **G.M. Jones**, A. Koltunov, C.M. Ramirez, W.J. Berigan, C.V. Gallagher, T.E. Munton, P.A. Shaklee, S.A. Whitmore, M.Z. Peery (2016) Meta-analysis of California spotted owl (*Strix occidentalis occidentalis*) territory occupancy in the Sierra Nevada: habitat associations and their implications for forest management. *The Condor: Ornithological Applications* 118: 747-765. doi.org/10.1650/CONDOR-16-66.1
5. **Jones, G.M.**, R.J. Gutiérrez, D.J. Tempel, S.A. Whitmore, W.J. Berigan, M.Z. Peery (2016) Megafires: an emerging threat to old-forest species. *Frontiers in Ecology and the Environment* 14: 300-306. doi.org/10.1002/fee.1298
4. **Jones, G.M.**, R.J. Gutiérrez, D.J. Tempel, B. Zuckerberg, M.Z. Peery (2016) Using dynamic occupancy models to inform climate change adaptation strategies for California spotted owls. *Journal of Applied Ecology* 53: 895-905. doi.org/10.1111/1365-2664.12600
3. Tempel, D.J., R.J. Gutiérrez, J.J. Battles, D.L. Fry, Q. Guo, M.J. Reetz, S.A. Whitmore, **G.M. Jones**, B.M. Collins, S.L. Stephens, M. Kelly, W.J. Berigan, M.Z. Peery (2015) Evaluating short- and long-term impacts of fuels treatments and simulated wildfire on an old-forest species. *Ecosphere* 6: 1-18. doi.org/10.1890/ES15-00234.1
2. Moyer-Horner, L.R., P.D. Mathewson, **G.M. Jones**, M.R. Kearney, W.P. Porter (2015) Modeling behavioral thermoregulation in a climate change sentinel. *Ecology and Evolution* 5: 5810-5822. doi.org/10.1002/ece3.1848
1. **Jones, G.M.**, B. Zuckerberg, A.T. Paulios (2012) The early bird gets earlier: A phenological shift in migration timing of the American Robin (*Turdus migratorius*) in the state of Wisconsin. *Passenger Pigeon* 74: 131-142.

MANUSCRIPTS
UNDER REVIEW

5. Ober, H.A., **G.M. Jones**, I.G.W. Gottlieb, S.A. Johnson, L. Smith, B. Brosi, R.J. Fletcher Jr. (*In revision*) Bat community response to intensification of biomass production for bioenergy across the southeastern United States. Submitted to: *Ecological Applications*.
4. Kramer H.A., **G.M. Jones**, V.R. Kane, B. Bartl-Geller, J.T. Kane, S.A. Whitmore, W.J. Berigan, B.P. Dotters, K.N. Roberts, S.C. Sawyer, J.J. Keane, M.P. North, R.J. Gutiérrez, M.Z. Peery (*Under review*) Elevational gradients strongly mediate habitat selection patterns in a nocturnal predator. Submitted to: *Ecosphere*.
3. **Jones, G.M.**, A.R. Keyser, A.L. Westerling, W.J. Baldwin, J.J. Keane, S.C. Sawyer, J.D.J. Clare, R.J. Gutiérrez, M.Z. Peery (*In revision*) Bioregional-scale forest restoration limits megafires and supports rare species conservation in a changing climate. Submitted to: *Ecological Applications*.

2. **Jones, G.M.**, R.J. Gutiérrez, W.M. Block, P.C. Carlson, E.J. Comfort, S.A. Cushman, R.J. Davis, S.A. Eyes, A.B. Franklin, J.L. Ganey, S. Hedwall, J.J. Keane, R. Kelsey, D.B. Lesmeister, M.P. North, S.L. Roberts, J. Rockweit, J.S. Sanderlin, S.C. Sawyer, B. Solvesky, D.J. Tempel, H.Y. Wan, A.L. Westerling, G.C. White, M.Z. Peery (*In revision*) Spotted Owls and forest fire: a systematic review and meta-analysis of the evidence: Comment. Submitted to: *Ecosphere*.
1. Atuo, F.A., **G.M. Jones**, B.K. Hobart, D.J. Tempel, S.A. Whitmore, W.J. Berigan, R.J. Gutiérrez, M.Z. Peery (*In revision*) Non-ideal colonization decouples measures of territory quality. Submitted to: *Journal of Animal Ecology*.

TECHNICAL
REPORTS

Peery, M.Z., **G.M. Jones** (2019) Using population viability analyses to assess the potential effects of Washington DNR forest management alternatives on marbled murrelets. Report to the Washington DNR and US Fish & Wildlife Service. *Marbled Murrelet Long-Term Conservation Strategy*, [FEIS: Appendix C](#).

Jones, G.M., M.Z. Peery (2019) Bioregional-scale forest restoration limits megafires and supports rare species conservation in a changing climate. Final Report to the USDA Forest Service and US Fish and Wildlife Service.

Jones, G.M., M.Z. Peery (2018) Assessing impacts of wildfire on California spotted owls. Final Report to the California Department of Fish and Wildlife.

Peery, M.Z., **G.M. Jones** (2018) Using population viability analyses to assess the potential effects of Washington DNR forest management alternatives on marbled murrelets. Report to the Washington DNR and US Fish & Wildlife Service. *Marbled Murrelet Long-Term Conservation Strategy*, [RDEIS: Appendix C](#).

Peery, M.Z., **G.M. Jones** (2016) Using population viability analyses to assess the potential effects of Washington DNR forest management alternatives on marbled murrelets. Report to the Washington DNR and US Fish & Wildlife Service. *Marbled Murrelet Long-Term Conservation Strategy*, [DEIS: Appendix C](#).

INVITED TALKS,
SEMINARS, AND
SYMPOSIA

Jones, G.M. (2020) An agenda for wildlife research at the science-management interface in the southwestern US. US Forest Service. 9 March, Albuquerque, NM.

Jones, G.M., H. Anu Kramer, R.J. Gutiérrez, M.Z. Peery (2019) Effects of large, severe fires on spotted owls in the Sierra Nevada. *Fire Severity and Ecosystem Response*. Association for Fire Ecology November Fire Congress. 18-22 November, Tucson, AZ. **invited symposium*

Jones, G.M., H.A. Kramer, A.R. Keyser, W.J. Baldwin, A.L. Westerling, S.C. Sawyer, J.J. Keane, R.J. Gutiérrez, M.Z. Peery (2019) Changing disturbance regimes, forest management, and the conservation of spotted owls in the Sierra

Nevada. *Fire and Forest Ecology in the 21st Century*. The Wildlife Society-Western Section Annual Meeting. 5 February, Yosemite National Park, CA. **invited symposium*

Jones, G.M. (2018) Seeing ghosts: spooky stories about spotted owls and the things that haunt them. Madison Audubon Society. 16 October, Madison, WI.

Jones, G.M. (2018) Integrating species conservation and ecosystem management: a Sierra Nevada case study. Rochester Institute of Technology. 10 April, Rochester, NY.

Jones, G.M., R.J. Gutiérrez, M.Z. Peery (2017) Beyond 'megafires': the spatial context of severe fire and its effect on spotted owls. *Wildfire and Spotted Owls: It's a Burning Issue*. The Wildlife Society Annual Meeting. 25 September, Albuquerque, NM. **invited symposium*

Jones, G.M., R.J. Gutiérrez, M.Z. Peery (2017) Searching for consensus in the spotted owl-fire debate: lessons from the 2014 King Fire and beyond. Northern Arizona University, Forestry Seminar Series. 6 September, Flagstaff, AZ.

Jones, G.M., C.M. Wood, M.Z. Peery, R.J. Gutierrez, S.A. Whitmore, W.J. Berigan (2017) Ongoing California spotted owl research in the Sierra Nevada. Northern Spotted Owl South Coordination Meeting. 16 February, Mendocino, CA.

Jones, G.M., R.J. Gutiérrez, D.J. Tempel, S.A. Whitmore, W.J. Berigan, M.Z. Peery (2017) Effects of large, severe fire on California spotted owls. USFS and USFWS Regional Headquarters. 18 January, Albuquerque, NM.

Jones, G.M., R.J. Gutiérrez, M.Z. Peery (2017) Searching for goldilocks: Balancing forest ecosystem restoration and old-forest species conservation. Utah State University, Forestry Extension Seminar. 11 January, Logan, UT.

Jones, G.M., R.J. Gutiérrez, D.J. Tempel, S.A. Whitmore, W.J. Berigan, M.Z. Peery (2016) Emerging mega-disturbances in California's Sierra Nevada: burning questions about spotted owls and fire. California Forest Pest Council 65th Annual Meeting. 16 November, Davis, CA.

Jones, G.M., R.J. Gutiérrez, D.J. Tempel, S.A. Whitmore, W.J. Berigan, M.Z. Peery (2015) Effect of the King Fire on California spotted owl demography and foraging. US Forest Service Region 5. Vallejo, CA.

Jones, G.M., R.J. Gutiérrez, D.J. Tempel, S.A. Whitmore, W.J. Berigan, M.Z. Peery (2015) Effect of the King Fire on California spotted owl demography and foraging. US Fish and Wildlife Service. Sacramento, CA.

Jones, G.M., R.J. Gutiérrez, D.J. Tempel, S.A. Whitmore, W.J. Berigan, M.Z. Peery (2015) Effect of the King Fire on California spotted owl demography and foraging. Sierra Pacific Industries. Redding, CA.

CONTRIBUTED
PRESENTATIONS

Jones, G.M., A.R. Keyser, A.L. Westerling, W.J. Baldwin, J.J. Keane, S.C. Sawyer, J.D.J. Clare, R.J. Gutiérrez, M.Z. Peery (2020) Fire, forest restoration, and spotted owls conservation under climate change. The Wildlife Society-Western Section Annual Meeting. 4 February, Redding, CA.

Jones, G.M., H.A. Kramer, S.A. Whitmore, W.J. Berigan, R. Kelsey, R.J. Gutiérrez, M.Z. Peery (2020) Is severe fire good or bad for spotted owls? The Wildlife Society-Western Section Annual Meeting. 4 February, Redding, CA.

Jones, G.M., A.R. Keyser, A.L. Westerling, W.J. Baldwin, J.J. Keane, S.C. Sawyer, J.D.J. Clare, R.J. Gutiérrez, M.Z. Peery (2019) Bioregional scale forest restoration limits megafires and supports rare species conservation in a changing climate. The Wildlife Society Annual Meeting. 3 October, Reno, NV.

Jones, G.M., W.J. Berigan, S.A. Whitmore, R.J. Gutiérrez, M.Z. Peery (2018) Wide-ranging individuals lead to false positive detections and upwardly-biased occupancy. The Wildlife Society Annual Meeting. 8 October, Cleveland, OH.
**awarded 3rd place among student oral presentations*

Jones, G.M., J.J. Keane, R.J. Gutiérrez, M.Z. Peery (2018) Declining old-forest species as a legacy of large trees lost. American Ornithological Society, Annual Meeting. 11 April, Tucson, AZ. **awarded the Robert B. Berry Award for best oral presentation*

Jones, G.M., R.J. Gutiérrez, D.J. Tempel, S.A. Whitmore, W.J. Berigan, M.Z. Peery (2017) Movement, population impacts, and emerging mega-disturbances: burning questions about spotted owls and fire. British Ornithologists Union, Annual Meeting. 29 March, Coventry, UK. **awarded best talk by Early Career Researcher*

Jones, G.M., R.J. Gutiérrez, D.J. Tempel, S.A. Whitmore, W.J. Berigan, M.Z. Peery (2016) Megafires: an emerging threat to old-forest species. 3rd North American Congress for Conservation Biology. 19 July, Madison, WI. **finalist, best student talk*

Jones, G.M., B. Zuckerberg, A.T. Paulios (2012) The early bird gets earlier: changes in migration phenology. Wisconsin Chapter of the Wildlife Society, Annual Meeting. 29 February, Rothschild, WI.

Jones, G.M., B. Zuckerberg, A.T. Paulios (2011) The early bird gets earlier: changes in migration timing of the American Robin (*Turdus migratorius*) in the state of Wisconsin. The Wildlife Society Annual Meeting. 8 November, Kona, HI.

POSTER
PRESENTATIONS

Jones, G.M., R.J. Gutiérrez, B. Zuckerberg, M.Z. Peery (2015) Climate change, habitat loss, and the future of spotted owls in the central Sierra Nevada, California. UW-Madison Climate Change Symposium.

Jones, G.M., R.J. Gutiérrez, B. Zuckerberg, M.Z. Peery (2015) Developing climate change adaptation strategies for spotted owls using dynamic occupancy models. Wisconsin Ecology Spring Symposium. 11 March, Madison, WI.

Jones, G.M., L.R. Moyer-Horner (2008) Temperature constrains activity of the American pika in Glacier National Park, MT. Undergraduate Research Symposium, University of Wisconsin-Madison. Madison, WI.

TEACHING

2020	UFBI	Co-Instructor , Multi-species Occupancy Modeling Biodiversity Institute, University of Florida
2019	FWE 875	Co-Instructor , Demographic Methods in Wildlife Conservation University of Wisconsin-Madison
2018	iBIO 360	Guest Lecturer , Extinction of Species University of Wisconsin-Madison
2018	FWE 101	Guest Lecturer , Orientation to Wildlife Ecology University of Wisconsin-Madison
2017	iBIO 360	Guest Lecturer , Extinction of Species University of Wisconsin-Madison
2017	iBIO 360	Guest Lecturer , Extinction of Species University of Wisconsin-Madison
2016	FWE 101	Guest Lecturer , Orientation to Wildlife Ecology University of Wisconsin-Madison
2015	STAT 572	Tutor , Statistical Methods for Bioscience II University of Wisconsin-Madison
2014	iBIO 360	Guest Lecturer , Extinction of Species University of Wisconsin-Madison
2013	iBIO 360	Teaching Assistant , Extinction of Species University of Wisconsin-Madison

*MENTORING***Undergraduate Students (Independent research advisees)**

Nicole Pietrunti, University of Wisconsin, 2015-2019

Brendan Hobart, University of Wisconsin, 2014-2015

Undergraduate Students (Research Assistants – lab and field)

Ceeanna Zulla, University of Wisconsin, 2016-2017

Danny Hofstadter, University of Wisconsin, 2015-2017

Tim Demers, University of Wisconsin, 2015-2017

Carly Vinkavich, University of Wisconsin, 2014-2015

Nicholas Kryshak, University of Wisconsin, 2013-2017

Alyssa Davidge, University of Wisconsin, 2016-2017
 Tori Thorpe, University of Wisconsin, 2016
 Cody Lane, University of Wisconsin, 2016-2017
 Emma Tomaczewski, University of Wisconsin, 2016-2017

OTHER FUNDING

2019 University of Florida Libraries, **\$1500** (Open Access fees)
 2019 University of Wisconsin, **\$500** (Open Access fees)
 2019 Southwest Fire Science Consortium, **\$150** (travel)
 2019 University of Wisconsin, **\$1200** (travel)
 2019 University of Wisconsin, **\$1000** (best dissertation)
 2018 American Ornithological Society, **\$500** (presentation award)
 2018 American Ornithological Society, **\$400** (travel)
 2017 Southwest Fire Science Consortium, **\$1500** (travel)
 2017 British Ornithologist's Union, **£50** (presentation award)
 2017 University of Wisconsin, **\$500** (travel)
 2017 University of Wisconsin, **\$500** (research excellence award)
 2015 University of Wisconsin, **\$500** (Open Access fees)

SELECTED MEDIA AND OUTREACH

[The Australian Bushfire Crisis](#): WORT-FM Community Radio (Madison, WI)
[Counting the same bird more than once?](#) The Wildlife Society
[Wildfire, Forest Management, and Climate](#): *ESA Special Collection*
[Of owls and salamanders](#): American Forests Magazine
[Logging legacy still affects spotted owls](#): The Wildlife Professional *Science in Short*
[Decades-past logging still threatens spotted owls in national forests](#): UW News
[Smokey the bear lied to you](#): Wisconsin Engineer Magazine
[Researchers watch spotted owl numbers drop in California](#): Jefferson Public Radio
[The burning questions about spotted owls and fire](#): Sierra Magazine
[Megafires drive out spotted owls](#): The Wildlife Society
[Megafires could threaten California spotted owls](#): Capitol Public Radio

SERVICE

Editorships
 2019-present, Associate Editor, *Journal of Wildlife Management*

Ad-hoc journal peer review
Biological Conservation, The Condor: Ornithological Applications, Diversity and Distributions, Ecological Applications, Ecology, Journal of Field Ornithology, Fire Ecology, Frontiers in Ecology and the

*Environment, Landscape Ecology, Journal of Wildlife Management,
Wildlife Research, Wildlife Society Bulletin*

Granting Agencies External Review

2016 Graduate Women in Science Fellowship

Conference Organization and Service

2019-2020 Abstract Reviewer, North Am. Congress for Cons. Biology

University of Wisconsin-Madison

2015-2016 Departmental Seminar Series Selection Committee

2013-2016 Departmental Enhancement Committee

2013-2016 Graduate Student Representative

Professional Societies

2018-2019 Publication Awards Committee, The Wildlife Society

*PROFESSIONAL
MEMBERSHIP*

American Ornithological Society

Ecological Society of America

The Wildlife Society