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<i>Current position</i>	Research Ecologist, USDA Forest Service Rocky Mountain Research Station Wildlife Ecology Program	Albuquerque, NM
<i>Faculty roles</i>	Assistant Professor, University of Iowa (starting Fall 2026) School of Earth, Environment, and Sustainability	Iowa City, IA
	Assistant Professor (Adjunct), University of New Mexico Biology Department/Center for Fire Resilient Ecosystems & Society	Albuquerque, NM
<i>Past positions</i>	Post-doctoral Researcher, University of Florida Dept. of Wildlife Ecology and Conservation	Gainesville, FL
<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 and distinctions (selected)</i>	2025 Kavli Fellow, <i>National Academy of Sciences</i> 2025 Early Career Award, <i>Association for Fire Ecology</i> 2024 Ned K. Johnson Early Investigator Award, <i>American Ornithological Society</i> 2024 Elective Member, <i>American Ornithological Society</i> 2023 Science in the Media Award, <i>Rocky Mountain Research Station</i> 2022 Student Publication Award (co-author), <i>The Wildlife Society</i> 2021 Best Scientific Publication Award, <i>Rocky Mountain Research Station</i> 2021 Early Career Scientist Award, <i>Rocky Mountain Research Station</i> 2019 Best Dissertation Award, Dept. Forest and Wildlife Ecology, <i>University of Wisconsin</i> 2018 Student Presentation Award (3rd Place), <i>The Wildlife Society Annual Mtg</i> 2018 Robert B. Berry Award, <i>American Ornithological Society</i> 2017 Best Talk (Early Career Researcher), <i>British Ornithologists Union</i> 2016 McCabe-Keith Graduate Research Excellence Award, <i>University of Wisconsin</i> 2016 Finalist, Best Student Talk, <i>North American Congress for Conservation Biology</i>	
<i>Research funding</i>	<p>Total research funding received: \$8,909,193</p> <p>2026-2031 (active) Reducing endangered species barriers to fuels reduction and timber management, \$700,000. Source: USDA Forest Service Southwestern Region. Role: PI.</p> <p>2026-2031 (active) Improving fuels reduction effectiveness in Southwestern forests, \$630,000. Source: USDA Forest Service Southwestern Region. Role: PI.</p> <p>2024-2027 (active) Assessing survey and management opportunities for Humboldt marten, \$399,962. Source: California Department of Fish and Wildlife. Role: co-PI.</p> <p>2024-2027 (active) Using Mexican spotted owl movement ecology to inform fuels reduction in the wildland-urban interface, \$350,000. Source: USDA Forest Service Southwestern Region. Role: PI.</p> <p>2024-2025. Living maps for wildlife conservation, \$120,000. Source: USDA Forest Service and Oak Ridge National Laboratories. Role: PI.</p> <p>2024-2027 (active) Mexican spotted owl movement ecology in the southwestern US, \$350,000. Source: USDA Forest Service Southwestern Region. Role: PI.</p> <p>2023-2024. Mexican spotted owl conservation in New Mexico, \$75,000. Source: New Mexico Department of Fish and Game. Role: PI.</p>	

2023-2025. Developing novel conservation strategies for old-growth forests, **\$180,000**. Source: US Forest Service Washington Office. Role: PI.

2023-2026. Living maps for California spotted owls and Pacific fishers, **\$212,500**. Source: US Fish and Wildlife Service and US Forest Service. Role: PI.

2024-2027 (active) Co-development of geospatial data products to support treatment planning and monitoring in the upper Rio Grande watershed, **\$360,189**. Source: Joint Fire Science Program. Role: co-PI.

2023-2027 (active) Developing and implementing a tool for prioritizing the management of an invasive and hyperabundant apex predator – the barred owl, **\$899,827**. Source: NASA Earth Science Applications: Ecological Conservation. Role: co-PI.

2023-2028 (active) Monitoring to inform the conservation of the California spotted owl and other sensitive species, **\$1,213,999**. Source: US Forest Service: Pacific Southwest Region. Role: co-PI.

2023-2025. Mexican spotted owl telemetry and habitat use monitoring, **\$421,432**. Source: US Forest Service - Four Forests Restoration Initiative (4FRI). Role: PI.

2023-2025. GPS-tagging of Mexican spotted owls to inform fuels reduction, forest restoration, and management, **\$450,000**. Source: US Forest Service - Southwestern Region. Role: PI.

2023-2025. Heating up: pikas and climate change in Glacier National Park, MT, **\$182,040**. Source: Glacier National Park Conservancy. Role: PI.

2023-2025. Wildlife habitat analysis: living maps for conservation, **\$210,000**. Source: US Forest Service - Washington Office and US Fish and Wildlife Service. Role: PI.

2022-2025. Enhancing the design and monitoring of fuels management for California spotted owls and avian communities in the Sierra Nevada, **\$404,056**. Source: National Fish and Wildlife Foundation and University of Wisconsin-Madison. Role: co-PI.

2021-2023. Linking movement ecology with demographic models to understand fitness consequences of habitat selection, **\$120,000**. Paglia Foundation. Role: PI.

2021-2022. An automated habitat monitoring system for Mexican spotted owls, **\$26,000**. Source: US Forest Service Region 3. Role: PI.

2021-2023. Monitoring to inform the conservation of the California spotted owl, **\$128,000**. Source: US Forest Service Region 5. Role: co-PI.

2021-2023. Assessing the distribution of spotted owls and their habitat in southern California, **\$310,000**. Source: CA Department of Fish and Wildlife. Role: co-PI.

2021-2024. 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.

2018-2019. 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.

2016-2018. 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.

2015-2018. 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.

Publications

Google scholar ([link](#)), citations: 2400, h-index: 26, i-10 index: 41

ResearchGate ([link](#)); Lab webpage, includes papers under review ([link](#))

* indicates lab member/mentee

— 2026 and *In Press* —

81. McGinn, K.*, M. Z. Peery, J. J. Keane, K. Roberts, B. Dotters, S. A. Whitmore, W. J. Berigan, L. R. Gallagher, P. Shaklee, T. Munton, R. B. Hart*, R. J. Gutiérrez, **G. M. Jones** (In Press) The impacts of wildfire on spotted owls: a bioregional-scale data synthesis. *Wildlife Monographs*.
80. **Jones, G. M.** and J. G. Pausas (In Press) Embracing a dynamic view of nature for biodiversity conservation. *Frontiers in Ecology and the Environment*.

79. Chmura, H. E., M. Ditmer, **G. M. Jones**, M. K. Schwartz, J. M. Tucker, R. B. Hart*, K. E. Norman*, A. M. Townsend, S. L. Stock, R. E. Green (In Press) Divergent activity patterns of male and female fishers in a human-influenced landscape. *Canadian Journal of Zoology*.

78. **Jones, G. M.**, K. McGinn (In Press) Impacts of wildfire on raptor communities. Chapter 9 in: *Contemporary Issues in Conservation and Management of Raptors*. Bibles, B., and Boal, C., editors. Johns Hopkins University Press.

77. Norman, K. E.*, C. Boettiger, T. Poisot, G. M. Jones (In Press) The role of AI in ecology's computational carbon footprint. *Frontiers in Ecology and the Environment*. doi.org/10.1002/fee.70021

76. Norman, K. E.*, A. N. Stillman, S. A. Parks, C. Davis, **G. M. Jones** (In Press) Exposure of western United States bird communities to predicted high severity fire. *Nature Communications*. doi.org/10.1038/s41467-026-68480-7

75. Barry, J. M., R. B. Hart*, **G. M. Jones**, H. A. Kramer, K. McGinn*, M. Z. Peery (2026) Dynamic wildlife habitat mapping and attribution analyses reveal that wildfire, not fuels management, drives declines in an old forest species. *Forest Ecology and Management* 603: 123386. doi.org/10.1016/j.foreco.2025.123386

74. Kramer, H. A., E. M. Ng, J. M. Winiarski, A. Koltunov, M. R. Slaton, **G. M. Jones**, M. Z. Peery (2026) Mapping disturbance across California's rapidly changing National Forests. *Forest Ecology and Management* 603: 123385. doi.org/10.1016/j.foreco.2025.123385

73. McGinn, K.*, **G. M. Jones**, H. A. Kramer, S. A. Whitmore, J. M. Winiarski, E. M. Ng, C. M. Wood, S. C. Sawyer, C. Thompson, M. Z. Peery (2026) Fuels management mitigates megafires to the benefit of old forest species. *Forest Ecology and Management* 603: 123316. doi.org/10.1016/j.foreco.2025.123316

2025

72. Sanderlin, J. S., **G. M. Jones**, B. E. Strohmeyer, C. M. Wood, V. Stein Foster, R. Guaderrama, A. Chavez, P. Handley, S. Kahl, R. Kirby, K. E. Norman*, J. Williams (2025) Expanding biodiversity monitoring in the southwestern United States with passive acoustic monitoring. *Southwestern Naturalist* 69: 1-11. doi.org/10.1894/0038-4909-69.4.14

71. Barry, J., C. M. Wood, **G. M. Jones**, K. McGinn*, K. Kelly, H. A. Kramer, D. Hofstadter, S. Kahl, H. Klinck, N. Kryshak, B. P. Dotters, K. N. Roberts, J. J. Keane, E. Ng, M. Z. Peery (2025) Divergent responses of native predators to severe wildfire and biological invasion are mediated by life history. *Ecological Applications* 35: e70135. doi.org/10.1002/eap.70135

70. **Jones, G. M.**, D. M. Owens*, L. R. Moyer-Horner, J. Belt (2025) Observation of plastic hairbrush bristles in the haypile of an American Pika (*Ochotona princeps*) in Glacier National Park, MT. *Northwestern Naturalist* 105: 200-203. doi.org/10.1898/NWN25-11

69. Goldberg, J. F., K. C. Rodman, **G. M. Jones** (2025) Characterizing climate- and fire-driven habitat vulnerability for an old-forest species. *Landscape Ecology* 40: 165. doi.org/10.1007/s10980-025-02171-4

68. Stillman, A. N., **G. M. Jones**, M. Strimas-Mackey, G. Duran, C. Andrews, S. Ligocki, T. Auer, V. Ruiz-Gutierrez, S. C. Sawyer, D. Fink (In Press) Evaluating macroecological fire impacts on bird populations. *Frontiers in Ecology and the Environment* 23: e70003 doi.org/10.1002/fee.70003

67. **Jones, G. M.**, B. M. Collins, L. E. Hankin, R. Hart, M. D. Meyer, J. Regelbrugge, Z. L. Steel, C. Thompson (2025) Collapse and restoration of mature forest habitat in California. *Biological Conservation* 308: 111241. doi.org/10.1016/j.biocon.2025.111241

66. Hart, R., C. M. Thompson, J. M. Tucker, S. C. Sawyer, S. A. Eyes, S. J. Saberi, Z. Yang, **G. M. Jones** (2025) Rapid declines in southern Sierra Nevada fisher habitat driven by drought and wildfire. *Diversity and Distributions* 31: e70023. doi.org/10.1111/ddi.70023

65. Miller-ter Kuile, A., J. S. Sanderlin, J. Ayars, H. Chmura, M. Dressen, J. D. Golding, **G. M. Jones**, R. Kirby, K. E. A. Norman, Z. L. Steel, V. Stein Foster (2025) Functionalizing ecological integrity: using functional ecology to monitor animal communities. *Frontiers in Ecology and the Environment* 23: e2852. doi.org/10.1002/fee.2852

64. Linley, G.D., C.J. Jolly, T.S. Doherty, W.L. Geary, D. Armenteras-Pascual, C. Belcher, R.B. Bird, A. Duane, M.-S. Fletcher, M. Giorgis, A. Haslem, **G.M. Jones**, L.T. Kelly, C.K.F. Lee, R. Nolan, C.L. Parr, J. Pausas, J.N. Price, A. Regos, E.G. Ritchie, J. Ruffault, G. Williamson, Q. Wu, D.G. Nimmo (2025) 'Megafire' – you may not like it, but you cannot avoid it. *Global Ecology and Biogeography* 34: e70032. doi.org/10.1111/geb.70032

63. Barry, J., **G. M. Jones**, B. Zuckerberg, R. Tanner, N. Kryshak, M. Z. Peery (2025) Rarity of spotted owls in Southern California. *Southwestern Naturalist* 68: 247-256. doi.org/10.1894/0038-4909-68.4.1

62. **Jones, G. M.**, C. Thompson, S. C. Sawyer, K. E. A. Norman, S. A. Parks, T. M. Hayes, D. L. Hankins (2025) Conserving landscape dynamics, not just landscapes. *BioScience* 75: 409-415. doi.org/10.1093/biosci/biaf023

61. Brunk, K. M., C. Maxwell, M. Z. Peery, **G. M. Jones**, L. R. Gallagher, J. F. Goldberg, A. L. Westerling, J. J. Keane, S. Kahl, H. A. Kramer, C. M. Wood (2025) Bioregional-scale acoustic monitoring can support fire-prone forest restoration planning. *Frontiers in Ecology and the Environment* 23: e2843. doi.org/10.1002/fee.2843

60. **Jones, G. M.**, A. Spannuth, A. Chongpinitchai, M. D. Hurteau (2025) Prescribed fire, managed burning, and previous wildfires reduce the severity of a southwestern US gigafire. *Forest Ecology and Management* 580: 122540. doi.org/10.1016/j.foreco.2025.122540

59. **Jones, G. M.**, D. S. Reid, C. J. Zulla, J. Williams, S. J. Hedwall, R. Kirby (2025) Mexican spotted owls use forest mosaics affected by timber harvest, insects, and wildfire. *Southwestern Naturalist* 69: 1-8. doi.org/10.1894/0038-4909-69.2.3

58. McGinn, K., B. Zuckerberg, **G. M. Jones**, C. M. Wood, S. Kahl, K. Kelly, S. A. Whitmore, H. A. Kramer, J. Barry, E. Ng, M. Z. Peery (2025) Increasingly large, severe fires threaten forest owl assemblage. *Ecological Applications* 35: e3080. doi.org/10.1002/eap.3080

57. **Jones, G. M.**, C. K. Stanley, M. Z. Peery, C. Maxwell, K. N. Wilson (2025) Accelerated forest restoration may benefit spotted owls through landscape complementation. *Animal Conservation* 28: 236-248. doi.org/10.1111/acv.12976

56. Hurteau, M. D., R. Baker, K. Gonterman, A. Granath, J. Lopez-Binder, M. D. Taylor, L. S. Rojas, L. Rotche, A. Graves, M. J. Goodwin, **G. M. Jones**, C. Marsh (2025) Changing climate and disturbance effects on southwestern US forests. *Forest Ecology and Management* 575: 122388. doi.org/10.1016/j.foreco.2024.122388

2024

55. **Jones, G. M.** (2024) Complex biodiversity outcomes after megafires. *Nature* 635: 817-818. doi.org/10.1038/d41586-024-03549-1 *Invited commentary*

54. McGinn, K., C. J. Zulla, M. E. Wright, Z. Wilkinson, B. P. Dotters, K. N. Roberts, J. J. Keane, M. Z. Peery, **G. M. Jones** (2024) Energetics explain predator occurrence and movement in pyrodiverse landscapes. *Landscape Ecology* 39: 182. doi.org/10.1007/s10980-024-01970-5

53. Reid, D. S., C. J. Zulla, N. F. Kryshak, J. Williams, S. J. Hedwall, R. Kirby, **G. M. Jones** (2024) Testing the efficacy of protected areas: Use of protected activity centers by GPS-tagged Mexican spotted owls. *Journal of Raptor Research* 59: 1-11. doi.org/10.3356/jrr2422

52. **Jones, G. M.** (2024) What's the point of peer review? *Frontiers in Ecology and the Environment* 20: e2785. doi.org/10.1002/fee.2785

51. Latif, Q., J. Valente, A. Johnston, K. Davis, F. Fogarty, A. Green, **G. M. Jones**, M. Leu, N. Michel, D. Pavlacky, E. Rigby, C. Rushing, J. Sanderlin, M. Tingley, Q. Zhao (2024) Designing count-based studies in a world of hierarchical models. *Journal of Wildlife Management* 88: e22622. doi.org/10.1002/jwmg.22622

50. **Jones, G. M.**, M. A. Clément, C. E. Latimer, M. E. Wright, J. S. Sanderlin, S. J. Hedwall, R. Kirby (2024) Frequent burning and limited stand-replacing fire supports Mexican spotted owl pair occupancy. *Fire Ecology* 20: 37. doi.org/10.1186/s42408-024-00271-1

49. Watson, W.A., D.F. Hofstadter, **G. M. Jones**, H.A. Kramer, N.F. Kryshak, C.J. Zulla, S.A. Whitmore, V. O'Rourke, J.J. Keane, R.J. Gutiérrez, M.Z. Peery (2024) Characterizing

juvenile dispersal dynamics of invasive Barred Owls: Implications for management. *Ornithological Applications* 126: duad061. doi.org/10.1093/ornithapp/duad061

48. Steel, Z. L., J. E. D. Miller, L. C. Ponisio, M. W. Tingley, K. Wilkin, R. V. Blakey, K. M. Hoffman, **G. M. Jones** (2024) A roadmap for pyrodiversity science. *Journal of Biogeography* 51:280-293. doi.org/10.1111/jbi.14745

2023

47. Ayars, J., H. A. Kramer, **G. M. Jones** (2023) The 2020 to 2021 California megafires and their impacts to wildlife habitat. *Proceedings of the National Academy of Sciences* 120: e2312909120. doi.org/10.1073/pnas.2312909120

46. **Jones, G. M.**, J. Goldberg, T. Wilcox, L. Buckley, C. L. Parr, E. B. Linck, E. D. Fountain, M. K. Schwartz (2023) Fire-adapted traits in animals. *Trends in Ecology and Evolution* 38: 1117-1118. doi.org/10.1016/j.tree.2023.09.016

45. Wright, M. E., M. Z. Peery, J. Ayars, B. P. Dotters, K. N. Roberts, **G. M. Jones** (2023) Fuels reduction can directly improve spotted owl foraging habitat in the Sierra Nevada. *Forest Ecology and Management* 549: 121430. doi.org/10.1016/j.foreco.2023.121430

44. Zulla, C.J., **G.M. Jones**, H.A. Kramer, J.J. Keane, K.N. Roberts, B.P. Dotters, S.C. Sawyer, S.A. Whitmore, W.J. Berigan, K.G. Kelly, R.J. Gutiérrez, M.Z. Peery (2023) Forest heterogeneity outweighs movement costs by enhancing hunting success and fitness in spotted owls. *Landscape Ecology* 38: 2655-2673. doi.org/10.1007/s10980-023-01737-4

43. **Jones, G.M.**, J.F. Goldberg, T.L. Wilcox, L.B. Buckley, C.L. Parr, E.B. Linck, E.D. Fountain, M.K. Schwartz (2023) Fire-driven animal evolution in the Pyrocene. *Trends in Ecology and Evolution* 38: 1072-1084. doi.org/10.1016/j.tree.2023.06.003

42. Wilkinson, Z. A., H. A. Kramer, **G. M. Jones**, C. J. Zulla, K. McGinn, J. M. Barry, S. C. Sawyer, R. Tanner, R. J. Gutiérrez, J. J. Keane, M. Z. Peery (2023) Forest structure and heterogeneity improve prey acquisition and reproductive success for spotted owls in southern California. *Ornithological Applications* 125: duac048. doi.org/10.1093/ornithapp/duac048

41. Steel, Z.L., **G.M. Jones**, B.M. Collins, R. Green, A. Koltunov, K. Purcell, S.C. Sawyer, P. Stine (2023) Mega-disturbances cause rapid decline of mature conifer forest habitat in California. *Ecological Applications* 33: e2763. doi.org/10.1002/eaap.2763

40. Squires, J.R., J.S. Ivan, K. Paolini, L.E. Olson, **G.M. Jones**, J.D. Holbrook (2023) Keystone structures maintain forest function for Canada Lynx after large-scale beetle outbreak. *Environmental Research: Ecology* 2: 011001. doi.org/10.1088/2752-664X/ac8eb7

39. **Jones, G.M.**, A.J. Shirk, Z. Yang, R.J. Davis, J.L. Ganey, R.J. Gutiérrez, S.P. Healey, S.J. Hedwall, S.J. Hoagland, R. Maes, K. Malcolm, K.S. McKelvey, J.S. Sanderlin, M.K. Schwartz, M.E. Seamans, H.Y. Wan, S.A. Cushman (2023) Spatial and temporal dynamics of Mexican spotted owl habitat in the southwestern US. *Landscape Ecology* 38:7-22. doi.org/10.1007/s10980-022-01457-1

38. Shirk, A.J., **G.M. Jones**, Z. Yang, R.J. Davis, J.L. Ganey, R.J. Gutiérrez, S.P. Healey, S.J. Hedwall, S.J. Hoagland, R. Maes, K. Malcolm, K.S. McKelvey, C. Vynne, J.S. Sanderlin, M.K. Schwartz, M.E. Seamans, H.Y. Wan, S.A. Cushman (2023) Automated habitat monitoring systems linked to adaptive management: a new paradigm for species conservation in an era of rapid environmental change. *Landscape Ecology* 38:23-37. doi.org/10.1007/s10980-022-01418-8

2022

37. Chaudhary, V., V.R. Goswami, **G.M. Jones**, T.K. Ben, T. Tapi, C. Ri, M.K. Oli (2022). Using population monitoring programs to detect changes in mammalian communities. *Biological Conservation* 276: 109778. doi.org/10.1016/j.biocon.2022.109778

36. Ross, B.E., D.P. Collins, M.A. Boggie, C.L. Coxen, S.A. Carleton, **G.M. Jones** (2022) Habitat use of conifer forests for Interior Band-tailed Pigeons is mediated by precipitation. *Avian Conservation and Ecology* 17(2):32. doi.org/10.5751/ACE-02315-170232

35. **Jones, G.M.**, J. Ayars, S.A. Parks, H.E. Chmura, S.A. Cushman, J.S. Sanderlin (2022) Pyrodiversity in a warming world: research challenges and opportunities. *Current*

Landscape Ecology Reports 7: 49-67. *Invited review* doi.org/10.1007/s40823-022-00075-6

34. **Jones, G.M.**, E.K. Vraga, P.F. Hessburg, R.E. Keane, T.A. Spies, M.P. North, B.M. Collins, J.M. Lydersen, M.D. Hurteau, M.A. Finney, A.L. Westerling (2022) Counteracting wildfire misinformation. *Frontiers in Ecology and the Environment* 20: 392-393. doi.org/10.1002/fee.2553

33. Zulla, C.J., H.A. Kramer, **G.M. Jones**, J.J. Keane, K.N. Roberts, B.P. Dotters, S.C. Sawyer, S.A. Whitmore, W.J. Berigan, K.G. Kelly, A.K. Wray, R.J. Gutiérrez, M.Z. Peery (2022) Large trees and forest heterogeneity facilitate prey capture by California spotted owls. *Ornithological Applications* 124: duac024. doi.org/10.1093/ornithapp/duac024

32. Linley, G.D., C.J. Jolly, T.S. Doherty, W.L. Geary, D. Armenteras-Pascual, C. Belcher, R.B. Bird, A. Duane, M.-S. Fletcher, M. Giorgis, A. Haslem, **G.M. Jones**, L.T. Kelly, C.K.F. Lee, R. Nolan, C.L. Parr, J. Pausas, J.N. Price, A. Regos, E.G. Ritchie, J. Ruffault, G. Williamson, Q. Wu, D.G. Nimmo (2022) What do you mean, 'megafire'? *Global Ecology and Biogeography* 31:1906-1922. doi.org/10.1111/geb.13499

31. McGinn, K., F.A. Atuo, **G.M. Jones**, B.K. Hobart, D.J. Tempel, S.A. Whitmore, W.J. Berigan, R.J. Gutiérrez, M.Z. Peery (2022) Implications of non-ideal occupancy for the measurement of territory quality. *Global Ecology and Conservation*: e02097. doi.org/10.1016/j.gecco.2022.e02097

30. Witt, W.C., R.J. Davis, Z. Yang, J.L. Ganey, R.J. Gutiérrez, S. Healey, S. Hedwall, S. Hoagland, R. Maes, K. Malcolm, J. Sanderlin, M. Seamans, **G.M. Jones** (2022) Linking robust spatiotemporal datasets to assess and monitor habitat attributes of a threatened species. *PLoS ONE* 17: e0265175. doi.org/10.1371/journal.pone.0265175

29. **Jones, G.M.**, B. Brosi, J.M. Evans, I.G.W. Gottlieb, X. Loy, M.M. Núñez-Regueiro, H.K. Ober, E. Pienaar, R. Pillay, K. Pisarello, L.L. Smith, R.J. Fletcher Jr. (2022) Conserving alpha- and beta-diversity in wood production landscapes. *Conservation Biology* 36: e13872. doi.org/10.1111/cobi.13872

28. **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 (2022) Forest restoration limits megafires and supports species conservation under climate change. *Frontiers in Ecology and the Environment* 20: 210-216. doi.org/10.1002/fee.2450

27. Tempel, D.J., H.A. Kramer, **G.M. Jones**, R.J. Gutiérrez, S.C. Sawyer, A. Koltunov, M. Slaton, R. Tanner, B.K. Hobart, M.Z. Peery (2022) Population decline in California spotted owls near their southern range boundary. *Journal of Wildlife Management* 86: e22168. doi.org/10.1002/jwmg.22168

26. Gaines, W.L., P.F. Hessburg, G.H. Aplet, P. Henson, S.J. Prichard, D. Churchill, **G.M. Jones**, D.J. Isaac, C. Vynne (2022) Climate change and forest management on federal lands in the Pacific Northwest, USA: managing for dynamic landscapes. *Forest Ecology and Management* 504: 119794. doi.org/10.1016/j.foreco.2021.119794

25. **Jones, G.M.**, M.W. Tingley (2022) Pyrodiversity and biodiversity: a history, synthesis, and outlook. *Diversity and Distributions* 28: 386-403. *Selected as Editor's Choice* and *Selected as 2021 Rocky Mountain Research Station's Best Scientific Publication* doi.org/10.1111/ddi.13280

2021

24. North, M.P., R.A. York, B.M. Collins, M.D. Hurteau, **G.M. Jones**, E.E. Knapp, L. Kobziar, H. McCann, M.D. Meyer, S.L. Stephens, R.E. Tompkins, C.L. Tubbesing (2021) Pyrosilviculture needed for landscape resilience of dry western US forests. *Journal of Forestry* 119: 520-544. *Selected as Editor's choice* doi.org/10.1093/jofore/fvab026

23. **Jones, G.M.**, H.A. Kramer, W.J. Berigan, S.A. Whitmore, R.J. Gutiérrez, M.Z. Peery (2021) Megafire causes persistent loss of an old-forest species. *Animal Conservation* 24: 925-936. *Selected as cover article* doi.org/10.1111/acv.12697

22. 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 (2021) Elevational gradients strongly mediate habitat selection patterns in a nocturnal predator. *Ecosphere* 12: e03500. doi.org/10.1002/ecs2.3500

21. Andrus, R.A., A.J. Martinez, **G.M. Jones**, A.J.H. Meddens (2021) Assessing the quality of fire refugia for wildlife habitat. *Forest Ecology and Management* 482: 118868. doi.org/10.1016/j.foreco.2020.118868

20. Kramer, H.A.†, **G.M. Jones**†, S.A. Whitmore, J.J. Keane, F.A. Atuo, B.P. Dotters, S.C. Sawyer, S.L. Stock, R.J. Gutiérrez, M.Z. Peery (2021) California spotted owl habitat selection in a fire-managed landscape suggests conservation benefit of restoring historical fire regimes. *Forest Ecology and Management* 479: 118576. †co-lead authors doi.org/10.1016/j.foreco.2020.118576

19. Hobart, B.K., H.A. Kramer, **G.M. Jones**, B. Dotters, S.A. Whitmore, J.J. Keane, M.Z. Peery (2021) Stable isotopes reveal unexpected relationships between fire history and the diet of spotted owls. *Ibis* 163: 253-259. doi.org/10.1111/ibi.12832

2020

18. **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 (2020) Spotted owls and forest fire: Comment. *Ecosphere* 11: e03312. doi.org/10.1002/ecs2.3312

17. **Jones, G.M.**, L.L. Smith, I.G.W. Gottlieb, H.K. Ober, B. Brosi, R.J. Fletcher Jr. (2020) Herpetofaunal responses to intensification of woody bioenergy production in a global biodiversity hotspot. *Forest Ecology and Management* 477: 118493. doi.org/10.1016/j.foreco.2020.118493

16. Ober, H.A., **G.M. Jones**, I.G.W. Gottlieb, S.A. Johnson, L.L. Smith, B. Brosi, R.J. Fletcher Jr. (2020) Bat community response to intensification of biomass production for bioenergy across the southeastern United States. *Ecological Applications* 30: e02155. doi.org/10.1002/eap.2155

15. **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. Pietrunti, R. Kelsey, R.J. Gutiérrez, M.Z. Peery (2020) Habitat selection by spotted owls after a megafire reflects their adaptation to historical frequent-fire regimes. *Landscape Ecology* 35: 1199-1213. doi.org/10.1007/s10980-020-01010-y

2019

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

2018 and earlier

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. tinyurl.com/4kw4hutt

Presentations overview

In the next several sections, I document professional and public speaking engagements that were either invited or contributed (unsolicited). I have chosen only to list the presentations where I was the presenter; I have not listed any of the presentations for which I was co-author as I have found these too challenging to track, and in any case I was only very rarely the main intellectual contributor to those efforts. So, the below represents the talks I actually delivered.

Invited plenaries

Jones, G.M. (2024) Bird ecology, evolution, and conservation in the Pyrocene. Ned K. Johnson Early Investigator Award Plenary Address. American Ornithological Society Annual Meeting. Estes Park, CO. 4 October.

Jones, G.M. (2023) Conserving birds in the Pyrocene: The burning issue of spotted owls in the southwestern United States. Plenary Address. New Mexico Ornithological Society Annual Meeting. 29 April. Carlsbad, NM.

Invited symposia

Jones, G. M., A. Spannuth, A. Chongpinitchai, M. Hurteau (2025) Anatomy of a “good” fire: previous burning reinforced low-severity effects in the 2022 Black fire in New Mexico. Symposium: *Landscape-level Treatment Effects: Exploring Outside-Boundary and Cumulative Effects of Wildland Fuel Treatments*. Association for Fire Ecology, Annual Meeting. 4 December. New Orleans, LA.

Jones, G.M. (2025) Biodiversity in the Pyrocene. National Academy of Science, Kavli Frontiers in Science Symposium. 8 March. Irvine, CA.

Jones, G.M. (2024) Fire, forest restoration, and spotted owl conservation in the Southwest. New Mexico Avian Conservation Partners – 2024 Statewide Meeting. 20 February. San Acacia, NM.

Jones, G.M. (2023) Fire-raptor interactions. Symposium: *Contemporary issues in the conservation and management of North American raptors*. Raptor Research Foundation Annual Meeting. 17-21 October. Albuquerque, NM.

Jones, G.M. (2023) Influence of wildfire on the ecology and conservation of spotted owls. Symposium: *Fire-raptor interactions: emerging science for conservation in the Pyrocene*. Raptor Research Foundation Annual Meeting. 17-21 October. Albuquerque, NM.

Jones, G.M. (2023) Emerging forest megadisturbances and the conservation of spotted owls. Symposium: *Birds as sentinels for 21st century environmental change in forest ecosystems*. American Ornithological Society and Society of Canadian Ornithologists Joint Annual Meeting. 8-12 August. London, Ontario, Canada.

Jones, G.M. (2022) Impact of wildfire on raptor communities. Symposium: *Contemporary issues in raptor conservation and management in North America*. The Wildlife Society Annual Meeting. 6-10 November. Spokane, WA.

Jones, G.M., M.Z. Peery (2022) Fine-scale spotted owl movement data informs new approaches for management of burned and ‘green’ forests. Symposium: *Movement ecology for conservation: advances, applications, and opportunities*. The Wildlife Society Annual Meeting. 6-10 November. Spokane, WA.

Jones, G.M., A. Shirk, Z. Yang, S. Cushman (2022) “Living maps”: Automated habitat monitoring systems for avian conservation. Symposium: *Moving the needle on avian conservation in the southwestern US: Grand challenges and opportunities*. Wilson Ornithological Society Annual Meeting. 19 July. Santa Fe, NM.

Jones, G.M., H.A. Kramer, R.J. Gutiérrez, M.Z. Peery (2021) Good fire: managed fire and pyrodiversity promote spotted owl conservation in the Sierra Nevada, CA. Symposium: *Wilderness for Science – Multidisciplinary Perspectives on the Causes and Consequences of Active Fire Regimes*. Association for Fire Ecology – 9th International Fire Ecology and Management Congress. 30 November. Miramar Beach, FL.

Jones, G.M., M.W. Tingley (2021) Pyrodiversity and biodiversity: state of the science and research needs. Symposium: *Wildfire and Prescribed Fire Effects on Biodiversity in US Forests*. The Wildlife Society 2021 Annual Meeting. 1-5 November.

Jones, G.M., H.A. Kramer, R.J. Gutiérrez, M.Z. Peery (2021) The importance of wildfire patchiness and pyrodiversity for spotted owls. Symposium: *Towards a Comprehensive Understanding of Pyrodiversity*. IALE-North America 2021 Annual Meeting. 12-16 April.

Jones, G.M. (2021) Pyrodiversity, forest restoration, and spotted owl conservation. *Oregon Chapter of The Wildlife Society Seminar Series*. 25 March.

Jones, G.M. (2021) Pyrodiversity: a unifying conservation paradigm in the age of megafires. Symposium: *Fire Impacts on Terrestrial and Aquatic Ecosystems*. Western Association of Fish and Wildlife Agencies (WAFWA), Winter Meeting. 5 January.

Jones, G.M., H.A. Kramer, R.J. Gutiérrez, M.Z. Peery (2020) California spotted owl responses to fire and lessons for fire management. Symposium: *Fire × Fauna: Wildfire and Prescribed Fire Effects on Wildlife*. USDA Forest Service Research & Development Webinar Series. 18 November.

Jones, G.M. (2020) New frontiers in spotted owl science. The Nature Conservancy Rio Grande Water Fund Fall Signatories Meeting. 15 October. Santa Fe, NM.

Jones, G.M., H.A. Kramer, R.J. Gutiérrez, M.Z. Peery (2020) California spotted owl responses to fire in restored-fire and fire-suppressed landscapes. Symposium: *Wildfire and Prescribed Fire Effects on Wildlife in US Forests*. The Wildlife Society Annual Meeting. 30 September, Louisville, KY.

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

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

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

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.

Invited seminars

Jones, G.M. (2025) Disturbance ecology of wildlife populations and communities. School of Earth, Environment, and Sustainability, University of Iowa. 17 November. Iowa City, IA.

Jones, G.M. (2025) Quantitative disturbance ecology for data-driven conservation. College of Forest Resources and Environmental Science. Michigan Technological University. 11 November. Houghton, MI.

Jones, G.M. (2025) Wildlife ecology, evolution, and conservation in the Pyrocene. Ecology, Evolution, and Conservation Biology Seminar Series, Oregon State University. 16 October. Corvallis, OR.

Jones, G.M. (2025) Ecology and conservation in the Pyrocene. Student Association for Fire Ecology Seminar Series, Association for Fire Ecology. 18 September. Remote.

Jones, G.M. (2025) Avian ecology and conservation in the Pyrocene. Department of Fish, Wildlife, and Conservation Ecology. New Mexico State University. 26 August. Las Cruces, NM.

Jones, G.M. (2024) Ecology and conservation of wildlife in fire-prone ecosystems. Department of Natural Resources Management, Texas Tech University. 14 November. Lubbock, TX.

Jones, G.M. (2024) Fire-driven animal evolution in the Pyrocene. Department of Ecology and Evolutionary Biology, University of Colorado-Boulder. 23 February. Boulder, CO.

Jones, G.M. (2023) Conserving wildlife in the Pyrocene. Los Alamos National Laboratories. 8 March. Los Alamos, NM.

Jones, G.M. (2023) Ecology and evolution of wildlife in fire-prone ecosystems: implications for conservation under global change. Department of Ecology and Evolution, University of Chicago. 6 February. Chicago, IL.

Jones, G.M. (2023) Can we conserve wildlife under changing fire regimes? The case of the spotted owl in the southwestern US. New Mexico State University, Department of Fish, Wildlife, and Conservation Ecology. 19 January. Las Cruces, NM.

Jones, G.M. (2022) Conserving wildlife under changing fire regimes. Missoula Fire Sciences Lab Seminar Series. 14 April.

Jones, G.M. (2022) Out of the ivory tower: the life and times of a US Forest Service scientist. McGill University, Academia Week. 26 January.

Jones, G.M., H.A. Kramer, R.J. Gutiérrez, M.Z. Peery (2021) Can you have your cake and eat it, too? Forest restoration, spotted owls, and an enduring conservation conflict. Northern Arizona University, Forestry Seminar Series. 24 March.

Jones, G.M., K.S. McKelvey, J.D. Golding, M.K. Schwartz (2020) Resource selection by animals: peril or promise for conservation? Boise State University. 14 October. Boise, ID.

Jones, G.M. (2020) "It depends": emphasizing ecological nuance to make science more meaningful for conservation. University of Colorado-Denver. Department of Integrative Biology, Fall Seminar Series. 4 September, Denver, CO.

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., 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.

Invited course lectures

Jones, G. M. (2025) Fire, forestry, and wildlife: Balancing species conservation with forest restoration. Forest Ecology, University of New Mexico. 21 October. Albuquerque, NM.

Jones, G.M. (2025) The influence of fire treatments on subsequent burn severity in the 2022 Black fire: lessons learned. Applied Silviculture, New Mexico Highlands University. 14 March, Las Vegas, NM.

Jones, G.M. (2023) Fire, forestry, and wildlife: strange bedfellows or birds of a feather? Forest Ecology, University of New Mexico. 14 November. Albuquerque, NM.

Jones, G.M. (2023) Species distribution modeling. USFS National Advanced Silviculture Program - Module in Landscape Ecology. 30 January. Flagstaff, AZ.

Jones, G.M. (2021) Silviculture for wildlife: fire, forest management, and spotted owl conservation. University of California - Berkeley. 17 November.

Jones, G.M., A.J. Shirk, Z. Yang, R.J. Davis, S.A. Cushman (2021) Species distribution modeling for conservation: building 'living maps' of Mexican spotted owl habitat in the southwestern US. USFS National Advanced Silviculture Program - Module in Landscape Ecology. 5 April.

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

Technical talks

Jones, G.M. (2024) Conserving wildlife in the Pyrocene. East Jemez Resource Council. Los Alamos, NM. 4 March.

Jones, G.M. (2024) Living maps: Automated habitat monitoring systems for management, science, and conservation. USFS National Wildlife Ecologists monthly meeting. 25 February.

Jones, G.M., R. Hart, C. Thompson, B. Collins, Z. Steel, L. Hankin (2025) Forecasting southern Sierra Nevada fisher habitat. Southern Sierra Nevada Fisher Working Group, TWS Western Section. 5 February.

Jones, G.M. (2024) Conserving wildlife in the Pyrocene. Ecological Services, National Town Hall. 4 December.

Jones, G.M. (2024) State of the science on Mexican spotted owls in the Southwestern Region. Wildlife, Fish, Rare Plants and Rangeland Management Annual Meeting. 18 November.

Jones, G.M., R. Hart (2024) Living maps: Automated habitat monitoring systems for management, science, and conservation. U.S. Congressional Lunch & Learn, hosted by Rocky Mountain Research Station. 12 September.

Jones, G.M. (2024) Evaluating drivers of change: wildfire versus salvage logging as drivers of spotted owl declines in the 2014 King Fire. ACCG Annual Meeting. 17 July.

Jones, G.M. (2024) Counteracting wildfire misinformation. Sifting through selective science and misinformation for collaborative forest management. Rocky Mountain Research Station and Southwestern Ecological Research Institute. 24 April.

Jones, G.M. (2024) Balancing species conservation with ecosystem restoration in fire-prone forests of the western US. Northern Spotted Owl Coordination Group. 5 March

Jones, G.M. and R. Hart (2024) A habitat monitoring system for southern Sierra Nevada fishers. California Fisher Working Group, TWS Western Section. Rohnert Park, CA. 7 February.

Jones, G.M. (2024) Effects of fire and fuels management on spotted owls. California Spotted Owl Working Group, TWS Western Section. Rohnert Park, CA. 6 February.

Jones, G.M. and R. Hart (2024) Monitoring wildlife habitat change with “living maps”. California Spotted Owl Working Group, TWS Western Section. Rohnert Park, CA. 6 February.

Jones, G.M. (2023) Balancing the risk of catastrophic wildfire with endangered species conservation. Endangered Species Act Summit (NOAA, USFWS, USFS). 16 November. Albuquerque, NM.

Jones, G.M., A.J. Shirk, Z. Yang, R.J. Davis, S.A. Cushman (2023) Monitoring spotted owl habitat with living maps. US Fish and Wildlife Service, Yreka Field Office. 11 May.

Jones, G.M., A.J. Shirk, Z. Yang, R.J. Davis, S.A. Cushman (2023) Automated monitoring of wildlife habitat using living maps. Southern Sierra Nevada Fisher Working Group. The Wildlife Society-Western Section Annual Meeting. 8 February.

Jones, G.M., A.J. Shirk, Z. Yang, R.J. Davis, S.A. Cushman (2023) Monitoring spotted owl habitat change with living maps. USDA Forest Service Region 5. 7 February.

Jones, G.M. (2023) Counteracting wildfire misinformation. USDA Forest Service Region 6 Environmental Coordinators - Monthly Meeting. 11 January.

Jones, G.M., A.J. Shirk, Z. Yang, R.J. Davis, S.A. Cushman (2021) Living maps for a rapidly changing world. USDA Forest Service Wildlife Program – National Quarterly Meeting. 25 March.

Jones, G.M. (2021) Severe fire patch size and pyrodiversity: implications for spotted owl conservation. Southern Sierra Nevada Fisher Working Group. The Wildlife Society-Western Section Annual Meeting. 3 February.

Jones, G.M., H.A. Kramer, R.J. Gutiérrez, M.Z. Peery (2020) Fire, forest restoration, and spotted owl conservation in the Sierra Nevada, CA. California Forest Management Task Force: Sierra and Eastside Regional Prioritization Group. 12 June.

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

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, 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) Megafires and spotted owls: effects of the 2014 King fire. 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) Demographic and movement responses by California spotted owls to the 2014 King fire. Sierra Pacific Industries. Redding, CA.

Invited outreach talks

Jones, G.M. (2024) Conserving birds in the Pyrocene: The burning issue of spotted owls in the southwestern United States. Central New Mexico Audubon Society. 15 February. Albuquerque, NM.

Jones, G.M. (2024) Conserving birds in the Pyrocene: The burning issue of spotted owls and fire in the southwestern United States. Bird Alliance of Central New Mexico (Audubon). Albuquerque, NM. 15 February.

Jones, G.M. (2021) Spotted owls and fire: the burning questions. Santa Fe Fireshed Coalition – “Wildfire Wednesday Live”. 17 February. Santa Fe, NM.

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

Contributed talks

Jones, G.M. (2024) Mexican spotted owl responses to fire and fuels reduction in the Southwest. Association for Fire Ecology Southwestern Meeting. Santa Fe, NM. 20 November.

Jones, G.M., S.C. Sawyer (2024) Megadisturbances and the declining efficacy of protected areas. The Wildlife Society-Western Section Annual Meeting. Rohnert Park, CA. 8 February.

Jones, G.M., M.W. Tingley (2022) Pyrodiversity: what is it, and how could it help guide wildlife conservation in the West? The Wildlife Society-Western Section Annual Meeting. 9 February, Reno, NV.

Jones, G.M., H.A. Kramer, W.J. Berigan, S.A. Whitmore, R.J. Gutiérrez, M.Z. Peery (2022) Persistent effects of the 2014 King megafire on spotted owls. The Wildlife Society-Western Section Annual Meeting. 9 February, Reno, NV.

Jones, G.M., A.J. Shirk, Z. Yang, R.J. Davis, J.L. Ganey, R.J. Gutiérrez, S.P. Healey, S.J. Hedwall, S.J. Hoagland, R. Maes, K. Malcolm, K.S. McKelvey, J.S. Sanderlin, M.K. Schwartz, M.E. Seamans, H.Y. Wan, S.A. Cushman (2021) Drivers and dynamics of Mexican spotted owl habitat from 1986-2020 in the southwestern United States. Raptor Research Foundation Annual Conference. October 8-14. Boise, ID.

Jones, G.M., H.A. Kramer, R.J. Gutiérrez, M.Z. Peery (2020) Is severe fire good or bad for spotted owls? North American Ornithological Conference VII. 15 August, San Juan, Puerto Rico.

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 owl 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.

Posters

Jones, G.M., A. Spannuth, A. Chongpinitchai, M. Hurteau (2024) Anatomy of a 'good fire': the 2022 Black Fire in southwestern New Mexico. Association for Fire Ecology Southwestern Meeting. Santa Fe, NM. 19 November.

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.

Technical reports

Jones, G.M., M.Z. Peery, K. Wilson, C. Maxwell, C. Stanley (2024) Modeling California spotted owl habitat in the Tahoe Central Sierra Initiative (TCSI) landscape. Report to the Nature Conservancy.

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 (2019) Impacts of fire on California spotted owls. Final Report to The Nature Conservancy.

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](#).

Teaching

2023	FWE 875	Co-Instructor , Demographic Methods in Wildlife Conservation University of Wisconsin-Madison
2021	FWE 875	Co-Instructor , Demographic Methods in Wildlife Conservation University of Wisconsin-Madison
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
2015	STAT 572	Tutor , Statistical Methods for Bioscience II University of Wisconsin-Madison
2013	iBIO 360	Teaching Assistant , Extinction of Species University of Wisconsin-Madison

*Mentoring***Postdoctoral Researchers**

Kate McGinn, Rocky Mountain Research Station, 2023-2025
 Anna Nordseth, Rocky Mountain Research Station, 2024-2025
 Caroline Cappello, University of New Mexico, 2024-present
 Joshua Goldberg, Rocky Mountain Research Station, 2022-2024
 Marilyn Wright, Rocky Mountain Research Station, 2022-2023
 Jack Shutt, Rocky Mountain Research Station, 2022

Graduate Students

Lucy Heflin, MSc, University of Iowa, 2026-present
 Ananke Krishnan, MSc, University of Iowa, 2026-present
 Danielle Owens, MSc, University of New Mexico, 2024-present
 Elizabeth Ng, PhD, University of New Mexico, 2025-present

Staff Scientists

Kari Norman, Rocky Mountain Research Station, 2023-present

Research Fellows/Associates

Dana Reid, University of New Mexico, 2023-present
 Arianna Bowman, University of New Mexico, 2023
 Ronan Hart, University of New Mexico, 2023-present
 Jessalyn Ayars, University of New Mexico, 2021-2025
 Nick Kryshak, University of New Mexico, 2022-2024
 Ceeanna Zulla, University of New Mexico, 2022-present

Visiting scholars

Anna Nordseth, Duke University, 2022-2024

Undergraduate Students (Independent research advisees)

Nicole Pietruni, 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

Selected media

[Mexican spotted owls benefit from low-severity fires](#): The Wildlife Society
[California's new megafires are taking a toll on wildlife habitat](#): Yale Climate
[Fire is a major threat to California spotted owls](#): Audubon
[Fire is driving animals' evolution](#): High Country News
[Surviving the Pyrocene](#): The Explorers Journal
[California wildlife pays the cost of wildfires](#): Nature
[Wildfires are changing animal evolution](#): Nautilus Magazine
[Rapid-fire evolution in the Pyrocene](#): The Wildlife Society
[The ingenious tricks animals use to survive wildfires](#): Vox

[Nearly a third of southern Sierra forests killed by drought and wildfire](#): Los Angeles Times

[Does thinning work for wildfire prevention?](#) High Country News

[Five animals that have evolved to cope with wildfires](#): The Washington Post

[Counteracting wildfire misinformation](#): Blue Forest Science Corner

[Scientists warning on wildfire misinformation](#): CBC Radio - Daybreak South

[Forest management in spotted owl habitat pays off](#): The Wildlife Society

[Fire Ecology \(WILDFIRES\): Ologies](#) with Alie Ward

[Is severe fire good or bad for spotted owls?](#) RMRS Science Spotlight

[As wildfires continue in western United States, biologists fear for vulnerable species](#): Science

[Recent 'megafires' imperil even fire-loving forest birds](#): Audubon

[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

[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

Academic service

Editorships

2022-present, Associate Editor, *Frontiers in Ecology and the Environment*
 2020-present, Associate Editor, *Fire Ecology*
 2019-2022, Associate Editor, *Journal of Wildlife Management*

Ad-hoc journal peer review

Biological Conservation, Conservation Science and Practice, Current Biology, Diversity and Distributions, Ecological Applications, Ecology, Ecology and Evolution, Ecosphere, Ecosystem Services, Endangered Species Research, Environmental Research Letters, Fire, Fire Ecology, Forest Ecology and Management, Frontiers in Ecology and the Environment, Global Change Biology, Integrative Organismal Biology, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Field Ornithology, Journal of Parasitology, Journal of Raptor Research, Journal of Wildlife Management, Landscape Ecology, Methods in Ecology and Evolution, Nature, Nature Reviews Biodiversity, Oecologia, Ornithological Applications, Ornithology, Proceedings of the National Academy of Sciences, Science Advances, Scientific Data, Wildlife Research, Wildlife Society Bulletin

External PhD examiner

2021	Benjamin Wagner, University of Melbourne
2022	Leanne Greenwood, Charles Sturt University
2023	William Geary, Deakin University
2024	Julianne Santos, University of Melbourne
2025	Alexander Robert Carey, Charles Darwin University

Other peer review

2020	USGS - Internal Science Review
2018	The Nature Conservancy – White Paper science review

Granting Agencies External Review

2016	Graduate Women in Science Fellowship
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Conference Organization and Service

2019-2020	Abstract Reviewer, North Am. Congress for Cons. Biology
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University of Wisconsin-Madison

2015-2016 Departmental Seminar Series Selection Committee
2013-2016 Departmental Enhancement Committee
2013-2016 Graduate Student Representative

Professional Societies

2022-2025 Publication Awards Committee, The Wildlife Society
2020-2021 Social Communications Policy Committee, AOS
2018-2019 Publication Awards Committee, The Wildlife Society

*Professional
membership*

American Ornithological Society (AOS)
Ecological Society of America (ESA)
The Wildlife Society (TWS)
New Mexico Ornithological Society (NMOS)