

Curriculum Vitae – 2025 Update

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Professional Preparation:

1980: B.A., Biology, University of California, San Diego, CA

1988: Ph.D., Zoology, Oregon State University, Corvallis, OR

1990-1994: Research Fisheries Biologist (Post-Doc), US Forest Service, Pacific Northwest Research Station, Corvallis, OR

Appointments:

Current:

1991 to present: Research Ecologist, US Forest Service, Pacific Northwest Research Station, Corvallis, OR. Since 2014, GS-15. Since 2009, Aquatic Ecology & Mgmt Team Leader.

1991 to present: Affiliate Faculty: Depts. Integrative Biology; Fisheries, Wildlife, and Conservation Science; Forest Ecosystems and Society, Oregon State University, Corvallis, OR.

2016 to present, USA regional lead, International Union for the Conservation of Nature, Species Survival Commission, Amphibian Specialist Group.

1997 to present, Associate Editor, *Herpetological Review*, Society for the Study of Amphibians and Reptiles. Since 2007, Lead of Amphibian Disease section.

Selected Past Positions:

2009-2012, National Co-Chair; 1999-2009, Northwest Co-Chair: Partners in Amphibian and Reptile Conservation (PARC).

2003-2005, President; 2000-2002, Vice-President-OR: Soc. Northwestern Vertebrate Biology.

1993-2000: Associate Editor, *Northwestern Naturalist*, Soc. Northwestern Vertebrate Biology.

1989-1990: Instructor, Dept. Zoology, Oregon State University, Corvallis, OR.

1989: Sabbatical Replacement/Instructor, Dept. Biology, Linfield College, McMinnville, OR.

Selected Publications (Alphabetically by Year):

1. Olson, D.H. and D.S. Pilliod. 2025 in press. Amphibians of the Western United States: Biogeography, Biodiversity, Threats and Conservation. Chapter 11 in: Dodd, C.K, Jr., H. Heatwole, and S. King (eds.). *Amphibian Biology*, Volume 9 (Status of Conservation and Decline of Amphibians in the Western Hemisphere), Part 7 (Canada and the United States) of the *Amphibian Biology World Encyclopedia*. Edition Chimaira, Frankfurt, Germany.
2. Olson, D.H., J. Palmisano, P.M. Evans, K.L. Ronnenberg, M.R. Christman, R.M. Goodman, M. J. Gray, A. Martel, and F. Pasmans. 2024 in press. Disease update from the Global Amphibian and Reptile Disease Conference and the World Congress of Herpetology, Kuching, Malaysia, Borneo, August 2024. *Herpetological Review* 55(4).
3. Bletz, M. C., B. Gratwicke, A. M. Belasen, A. Catenazzi, A. L. J. Duffus, M. Lampo, D. H. Olson, F. Toledo and K. Vasudevan. 2024. Infectious diseases: Advances and challenges in addressing emerging pathogens. Chapter 6, pp 148-176 in: IUCN SSC Amphibian Specialist Group (2024). *Amphibian Conservation Action Plan: A status review and roadmap for global*

- amphibian conservation. Wren, S., Borzée, A., Marcec-Greaves, R. & Angulo, A. (Eds.). IUCN SSC Occasional Paper, No 57. Gland, Switzerland: IUCN.
4. Nowakowski, A. J., J. L. Deichmann, G. Connette, I. M. Barata, E. W. Basham, D. S. Bower, M. W. N. Lau, and D. H. Olson. 2024. Surveys and monitoring: challenges in an age of rapid declines and discoveries. Chapter 10, pp 238-284 in: IUCN SSC Amphibian Specialist Group (2024). Amphibian Conservation Action Plan: A status review and roadmap for global amphibian conservation. Wren, S., Borzée, A., Marcec-Greaves, R. & Angulo, A. (Eds.). IUCN SSC Occasional Paper, No 57. Gland, Switzerland: IUCN.
 5. Olson, D. H. E. H. Grant, M. Bletz, J. Piovita-Scott, D. Lesbarrères, J. L. Kerby, M. J. Adams, M. F. Breitman, M. Christman, M. J. Forzan, M. J. Gray, A. J. Hill, M. S. Koo, O. Milenkaya, E. A. Rebollar, L. A. Rollins-Smith, M. Serr, A. Shepack, L. Shirole, L. Sprague, J. Walke, A. R. Warwick, and B. A. Mosher. 2024. Preparing for a *Bsal* invasion into North America has improved multi-sector readiness. *Frontiers in Amphibian and Reptile Science* 2: 1347541.
 6. Olson, D.H. and D. Pilliod. 2024. Amphibian and Reptile Conservation in the United States of America. Chapter 21, Pages 145-163 in S.C. Walls and K. M. O'Donnell, editors. *Strategies for Conservation Success in Herpetology*. Society for the Study of Amphibians and Reptiles, University Heights, OH, USA.
 7. Wren, S., A. Baker, F. Andreone, F. Kakoliris, A. Rakotoarison, D.H. Olson, D. Cogalniceanu, J. Dawson, K. Johnson, T. R. Kahn, E. Lavilla, C. Paszkowski, A. W. Salas, and N. Urbina-Cardona. 2024. Strategic planning: a basis for effective action. Chapter 9, pp 218-237 in: IUCN SSC Amphibian Specialist Group (2024). Amphibian Conservation Action Plan: A status review and roadmap for global amphibian conservation. Wren, S., Borzée, A., Marcec-Greaves, R. & Angulo, A. (Eds.). IUCN SSC Occasional Paper, No 57. Gland, Switzerland: IUCN. Available at: <https://www.iucn-amphibians.org/resources/acap/>
 8. Bletz, M.C., J. Palmisano, J.T. Julian, L. Shender, and D.H. Olson. 2023. Amping up Biosecurity for Herps: Simpler, stricter practices can help protect reptiles and amphibians from disease. *The Wildlife Professional* 17(6):46-49.
 9. Grant, E.H.C., S.M. Amburgey, B. Gratwicke, V.A. Chaves, A.M. Belasen, D. Bickford, C. Bruhl, N.E. Calatuyud, N. Clemann, S. Clulow, J. Crnobrnja-Isailovic, J. Dawson, D.A. De Angelis, C. K. Dodd, Jr., A. Evans, G. F. Ficetola, M. Falaschi, S. González-Mollinedo, D. M. Green, R. Gamlen-Greene, R. A. Griffiths, B. J. Halstead, C. Hassapakis, G. Heard, C. Karlsson, T. Kirschey, B. Klocke, T. A. Kosch, S. Kusterko Novaes, L. Linhoff, J. C. Maerz, B. A. Mosher, K. O'Donnell, L. M. Ochoa-Ochoa, D. H. Olson, K. Ovaska, J. D. Roberts, A. Silla, T. Stark, J. Tarrant, R. Upton, J. Vörös, and E. Muths. Priority Research Needs to Inform Amphibian Conservation in the Anthropocene. *Conservation Science and Practice* 2023: e12988 [early view] <https://doi.org/10.1111/csp2.12988>
 10. Luedtke, J. A., J. Chanson, K. Neam, L. Hobin, A. O. Maciel, A. Catenazzi, A. Borzée, A. Hamidy, A. Aowpho, A. Jean, Á. Sosa-Bartuano, A. G. Fong, A. de Silva, A. Fouquet, A. Angulo, A. A. Kidov, A. Muñoz Saravia, A. C. Diesmos, A. Tominaga, B. Shrestha, B. Gratwicke, C. C. Martínez Rivera, C. R. Vásquez Almazán, C. Señaris, S. R. Chandramouli, C. Strüßmann, C. F. Cortez Fernandez, C. Azat, C. J. Hoskin, C. Hilton-Taylor, D. L. Whyte, D. Gower, D. H. Olson, D. F. Cisneros-Heredia, D. J. Santana, E. Nagombi, E. Najafi-Majd, E. S.H. Quah, F. Bolaños, F. Xie, F. Brusquetti, F. S. Álvarez, F. Andreone, F. Glaw, F. E. Castañeda, F. Kraus, G. Parra-Olea, G. Chaves, G. F. Medina Rangel, G. González-Durán, H. M. Ortega Andrade, I. F. Machado, I. Das, I. Ribeiro Dias, J. N.

- Urbina-Cardona, J. Crnobrnja-Isailović, J-H. Yang, J. Jianping, J. Tshelthrim Wangyal J. J. L. Rowley, J. Measey, K. Vasudevan, K. Onn Chan, K. Vasudeva Gururaja, K. Ovaska, L. C. Warr, L. Canseco Márquez, L. F. Toledo, L. M. Diaz, M. M. H. Khan, M. Meegaskumbura, M. E. Acevedo, M. Felgueiras Napoli, M. A. Ponce, M. Vaira, M. Lampo, M. H. Yáñez-Muñoz, M. D. Scherz, M-O. Rödel, M. Matsui, M. Fildor, M. D. Kusirini, M. Firoz Ahmed, M. Rais, N. G. Kouame, N. Garcia, N. LeGrand Gonwouo, P. A. Burrowes, P. Y. Imbun, P. Wagner, P. J. R. Kok, R. L. Joglar, R. J. Auguste, R. Albuquerque Brandão, R. Ibáñez, R. von May, S. B. Hedges, S.D. Bijou, S.R. Ganesh, S. Wren, S. Das, S. V. Flechas, S. L. Ashpole, S. J. Robleto-Hernández, S. P. Loader¹, S. J. Incháustegui, S. Garg, S. Phimmachak, S. J. Richards, T. Slimani¹, T. Osborne-Naikatini, T. P. F. Abreu-Jardim, T. H. Condez, T. R. De Carvalho T. P. Cutajar, T. W. Pierson, T. Q. Nguyen, U. Kaya, Z. Yuan, B. Long, P. Langhammer, S. N. Stuart. 2023. Status of the world's amphibians: Emerging threats and ongoing declines. *Nature*. Estimated Release 4 October 2023.
11. Auteri, G.G., M. R. Marchan-Rivadeneira, D.H. Olson, and L.L. Knowles. 2022. Landscape connectivity among coastal giant salamander (*Dicamptodon tenebrosus*) populations shows no associations with land-use, fire frequency, or river drainage but exhibits genetic signatures of potential conservation concern. *PLoS ONE* 17(6):e0268882. <https://doi.org/10.1371/journal.pone.0268882>
 12. Harjoe, C. C., J. C. Buck, J. R. Rohr, D.H. Olson, and A.R. Blaustein. 2022. Pathogenic fungus causes density-and trait-mediated trophic cascades in an aquatic community. *Ecosphere* 13:e4043. <https://doi.org/10.1002/ecs2.4043>.
 13. North American Bsal Task Force. 2022. A North American Strategic Plan to Prevent and Control Invasions of the Lethal Salamander Pathogen *Batrachochytrium salamandrivorans*. [Bsal-Strategic-Plan_March-2022_FINAL.pdf \(salamanderfungus.org\)](#)
 14. Olson, D.H. and A. Ares. 2022. Riparian buffer effects on headwater-stream vertebrates and habitats five years after a second upland forest thinning in western Oregon, USA. *Forest Ecology and Management* 509:120067.
 15. Olson, D. H., A. S. Coble, and J. A. Homyack. 2022. Beyond Best Management Practices. In Dolloff, C. A., and R. J. Danehy, eds. *Reflections on Forest Management: Can Fish and Fiber Coexist?* American Fisheries Society Symposium 92:279-326.
 16. Olson, D.H. and D.S. Pilliod. 2022. Elevating the human dimension of amphibian and reptile conservation, a USA perspective. *Conservation Science and Practice* 4(6):e12685. <https://doi.org/10.1111/csp2.12685>

17. Oregon State. 2022. Private Forest Accord Report.
<https://www.oregon.gov/odf/aboutodf/documents/2022-odf-private-forest-accord-report.pdf>.
 D.H. Olson consulted with Audubon Society of Portland (Bob Sallinger, Stacey Detwiler, with Marc Hayes, S. Stevens) on Riparian Areas, Chapter 2, pp 11-27; and coauthored Amphibian Conservation, Chapter 7, pp 117-122.
18. Reinke, B.A., H. Cayuela, F. Janzen, J-F. Lemaitre, J-M Gaillard, A.M. Lawing, J.B. Iverson, D.G. Christiansen, I. Martinez-Solano, G Sanchez-Montes, J Gutierrez-Rodriguez, F. L. Rose, N. Nelson, S. Keall, A. J. Crivelli, T. Nazirides, A. Grimm-Seyfarth, K. Henle, E. Mori, G. Guiller, R. Homan, A. Olivier, E. Muths, B. R. Hossack, X. Bonnet, D. S. Pilliod, M. Lettink, T. Whitaker, B. R. Schmidt, M. G. Gardner, M. Cheylan, F. Poitevin, A. Golubović, L. Tomović, D. Arsovski, R. A. Griffiths, J. W. Arntzen, J-P. Baron, J-F. Le Galliard, T. Tully, L. Luiselli, M. Capula, L. Rugiero, R. McCaffery, L. A. Eby, V. Briggs-Gonzalez, F. Mazzotti, D. Pearson, B. A. Lambert, D. M. Green, N. Jreidini, C. Angelini, G. Pyke, J-M. Thirion, P. Joly50, J-P. Lena, T. Tucker, C. Limpus, P. Priol, A. Besnard, P. Bernard, K. Stanford, R. King, J. Garwood, J. Bosch, F. Souza, J. Bertoluci, S. Famelli, K. Grossenbacher, O. Lenzi, K. Matthews, S. Boitaud, D. H. Olson, T. S. Jessop, G. Gillespie, J. Clobert, M. Richard, A. Valenzuela-Sanchez, G. M. Fellers, P. M. Kleeman, B. J. Halstead, E.H. C. Grant, P. G. Byrne, T. Fretey, B. Le Garff, P. Levionnois, J. C. Maerz, J. Pichenot, K. Olgun, N. Uzum, A. Avci, C. Miaud, J. Elmberg, G. P. Brown, R. Shine, N. F. Bendik, L. O'Donnell, C. L. Davis, M. J. Lannoo, R. M. Stiles, R. M. Cox, A. M. Reedy, D. A. Warner, E. Bonnaire, K. Grayson, R. Ramos-Targarona, E. Baskale, D. Munoz, J. Measey, F. A. de Villiers, W. Selman, V. Ronget, A. M. Bronikowski, D. A. W. Miller. 2022. Diverse aging rates in ectotherms provide insights for the evolution of aging and longevity. *Science* 376:1459-1466.
19. Roon, D. A., J. B. Dunham, J. R. Bellmore, D.H. Olson, and B.C. Harvey. 2022. Influence of riparian thinning on trophic pathways supporting stream food webs in forested watersheds. *Ecosphere* 13(9):e4219. Doi: 10.1002/ecs2.4219.
20. Thurman, L.L., Cousins, C.D., Button, S.T.C., Garcia, T.S., Henderson, A.L., Olson, D.H., Piovia-Scott, J. 2022. Treading Water: Conservation of Headwater-Stream Associated Amphibians in Northwestern North America. In: DellaSala, D.A., Goldstein, M.I. (Eds.), *Imperiled: The Encyclopedia of Conservation*, vol. 2. Elsevier, pp. 499–513.
<https://dx.doi.org/10.1016/B978-0-12-821139-7.00112-4>.
21. Brunner, J.L., D.H. Olson, M.J. Gray, D.L. Miller, A.L.J. Duffus. 2021. Global patterns of ranavirus detections. *FACETS* 6:912-924. doi:10.1139/facets-2020-0013
22. Cafferata Coe, F., T. Garcia, D. Olson, and J. Woodward. 2021. Wildlife in Managed Forests: Forest Amphibians. Oregon Forest Resources Institute. 30 p.
<https://oregonforests.org/sites/default/files/2021-09/OFRI-Amphibians-2021-Final-web.pdf>
23. Koo, M.S., V.T. Vredenburg, J.B. Deck, D.H. Olson, K.L. Ronnenberg, and D.B. Wake. 2021. Tracking, synthesizing and sharing global *Batrachochytrium* data at Amphibian Disease.org. *Front. Vet. Sci.* 8:728232. Doi: 10.3389/fvets.2021.728232.
24. Olson, D.H., K. Haman, M. Gray, R. Harris, T. Thompson, M. Iredale, M. Christman, J. Williams, M.J. Adams, and J. Ballard. Enhanced between-site biosecurity to minimize herpetofaunal disease-causing pathogen transmission. *Herpetol. Rev.* 52(1):29-39.
25. Olson, D.H., K.L. Ronnenberg, C.K. Glidden, K.R. Christiansen, and A.R. Blaustein. 2021. Global patterns of the fungal pathogen *Batrachochytrium dendrobatidis* support conservation urgency. *Front. Vet. Sci.* 8:685877. doi: 10.3389/fvets.2021.685877

26. Pilliod, D.S. M.I. Jeffries, R.S. Arkle, and D.H. Olson. 2020. Reptiles under the conservation umbrella of the Greater Sage-grouse J. Wildl. Manag. 84(3):478-491.
27. Bradley, P.W. M.D. Brawner, T.R. Raffell, J.R. Rohr, D.H. Olson, and A.R. Blaustein. 2019. Shifts in temperature influence how *Batrachochytrium dendrobatidis* infects amphibian larvae. PLoS ONE 14(9):e0222237.
28. Canessa, S., A. Spitzen-van der Sluijs, T. Stark, P.J. Bishop, M. Bletz, C.J. Briggs, D. Daversa, M.J. Gray, R.A. Griffiths, R.N. Harris, X.A. Harrison, J.T. Hoverman, P. Jervis, E.L. Muths, D.H. Olson, C.L. Richards-Zawacki, J. Robert, G.M. Rosa, B.C. Scheele, B.R. Schmidt, and T.W.J. Garner. 2019. Conservation decisions under pressure: lessons from an exercise in rapid response to wildlife disease. Conservation Science and Practice 2019; e141.
29. Emel, S.L., D.H. Olson, L.L. Knowles, and A. Storfer. 2019. Comparative landscape genetics of two endemic torrent salamander species, *Rhyacotriton kezeri* and *R. variegatus*: Implications for forest management and species conservation. Conservation Genetics 20:801-815.
30. Olson, D.H., and J.I. Burton. 2019. Climate Associations with Headwater Streamflow in Managed Forests over 16 Years and Projections of Future Dry Headwater Stream Channels. Special Issue: *Managing Forests and Water for People under a Changing Environment*, G. Sun, Editor. Forests 10, 968; <https://doi.org/10.3390/f10110968>; 28 p.
31. Adams, M.J., R.N. Harris, E.H.C. Grant, M.J. Gray, M.C. Hopkins, S. A. Iverson, R. Likens, M. Mandica, D.H. Olson, A. Shepack, H. Waddle. 2018. Prepublication communication of research results. EcoHealth 15(3):478-481.
32. Blaustein, A.R., J. Urbina, P.W. Snyder, E. Reynolds, T. Dang, J.T. Hoverman, B. Han, D.H. Olson, C. Searle, and N.M. Hambalek. 2018. Effects of emerging infectious diseases on amphibians: A review of experimental studies. Diversity 10(85):1-49.
33. Bsal Task Force. 2018. *Batrachochytrium salamandrivorans* (Bsal) Rapid Response Template. <http://www.salamanderfungus.org/>
34. Gray, M.J., M.C. Allender, K.H. Haman, R.N. Harris, and D.H. Olson. 2018. Facilitating early detection and rapid response: An alert system to combat emerging herpetofaunal diseases. The Wildlife Professional 12(5):33-35.
35. Hopkins, M.C., Adams, M.J., Super, P.E., Olson, D.H., Hickman, C.R., English, P., Sprague, L., Maska, I.B., Pennaz, A.B., and Ludwig, K.A., 2018, *Batrachochytrium salamandrivorans* (Bsal) in Appalachia—Using scenario building to proactively prepare for a wildlife disease outbreak caused by an invasive amphibian chytrid fungus: U.S. Geological Survey Report 2018–1150, 31 p.
36. Mims, M. C., D. H. Olson, D. S. Pilliod, and J. B. Dunham. 2018. Functional and geographic components of risk for climate sensitive vertebrates in the Pacific Northwest, USA. Biological Conservation 228:183-194.
37. Reeves, G.H., D.H. Olson, S. M. Wondzell, S.A. Miller, J.W. Long, P.A. Bisson, and M.J. Furniss. 2018. The Aquatic Conservation Strategy of the Northwest Forest Plan – A review of the relevant science after 22 years. Chapter 7 in: P.A. Stine and T.A. Spies (eds.). Synthesis of Science to Inform Land Management within the Northwest Forest Plan Area. US Forest Service, PNW Gen. Tech. Rept. PNW-GTR-966, Vol. 2: 461-624.
38. Gervasi, S.S., P.R. Stephens, J. Hua, C.L. Searle, J. Urbina, D.H. Olson, B.A. Bancroft, V. Weis, J.I. Hammond, R.A. Relyea, and A.R. Blaustein. 2017. Linking ecology and epidemiology to understand predictors of multi-host responses to an emerging pathogen, the amphibian chytrid fungus. PLoS ONE 12(1):e0167882.

39. Grant, E.H.C., E. Muths, R.A. Katz, S. Canessa, M.J. Adams, J.R. Ballard, L. Berger, C.J. Briggs, J.T.H. Coleman, M.J. Gray, M.C. Harris, R.N. Harris, B. Hossack, K.P. Huyvaert, J. Kolby, K.R. Lips, R.E. Lovich, H.I. McCallum, J.R. Mendelson III, P. Nanjappa, D.H. Olson, J.G. Powers, K.L.D. Richgels, R.E. Russell, B.R. Schmidt, A. Spitzen-van der Sluijs, M.K. Watry, D.C. Woodhams, C.L. White. 2017. Even with forewarning, challenges remain in developing a proactive response to emerging infectious diseases. *Frontiers Ecol. Environ.* 15: 214-221.
40. Iwanowicz, D.D., W.B. Schill, D.H. Olson, M.J. Adams, C. Densmore, R.S. Coprnmnan, C. Adams, C. Figiel, Jr., C.W. Anderson, A.R. Blaustein, and T. Chestnut. 2017. Potential concerns with analytical methods used for the detection of *Batrachochytrium salamandrivorans* from archived DNA of amphibian swab samples, Oregon, USA. *Herpetological Review* 48: 352-355.
41. Leach, J.A., D.H. Olson, P.D. Anderson, and B.N.I. Eskelson. 2017. Spatial and seasonal variability of forested headwater stream temperatures in western Oregon, USA. *Aquatic Sciences* 79: 291-307.
42. Olson, D.H., and B. Van Horne, editors. 2017. *People, forests and change - Lessons from the Pacific Northwest*. Washington, DC/Covelo, CA/London: Island Press.
- Book Reviews:
 - a. Lin, S-K. 2017. New book received: *People, Forests, and Change: Lessons from the Pacific Northwest*. *Forests* 8:149.
 - b. Sitzia, T. 2018. Book Review. *Journal for Nature Conservation*. 43:211-212.
 - c. Swanson, M.E. 2018. Documenting a regional forest journey. *Ecology* 99(2):507-509.
43. Penaluna, B.E., D.H. Olson, R.L. Flitcroft, M. Weber, J.R. Bellmore, S.M. Wondzell, J.B. Dunham, S.L. Johnson, and G.H. Reeves. 2017. Aquatic biodiversity in forests: A weak link in ecosystem services resilience. *Biodiversity and Conservation* 26: 3125-3155.
44. Burton, J.I., D.H. Olson, and K.J. Puettmann. 2016. Effects of riparian buffer width on down wood loading in headwater streams after repeated forest thinning. *Forest Ecology and Management* 372:247–257.
45. Bradley, P.W., S.S. Gervasi, J. Hua, R.D. Cothran, R.A. Relyea, D.H. Olson, and A.R. Blaustein. 2015. Differences in sensitivity to the fungal pathogen *Batrachochytrium dendrobatidis* among populations of amphibians. *Conservation Biology* 29:1347-1356.
46. Grant, E.H.C., E. Muths, R.A. Katz, S. Canessa, M.J. Adams, J.R. Ballard, L. Berger, C.J. Briggs, J. Coleman, M.J. Gray, M.C. Harris, R.N. Harris, B. Hossack, K.P. Huyvaert, J.E. Kolby, K.R. Lips, R.E. Lovich, H.I. McCallum, J.R. Mendelson, III, P. Nanjappa, D.H. Olson, J.G. Powers, K.L.D. Richgels, R.E. Russell, B.R. Schmidt, A. Spitzen-van der Sluijs, M.K. Watry, D.C. Woodhams, and C.L. White, C.L. 2015. Salamander chytrid fungus (*Batrachochytrium salamandrivorans*) in the United States—Developing research, monitoring, and management strategies. U.S. Geological Survey Open-File Report 2015–1233 <http://dx.doi.org/10.3133/ofr20151233>.
47. Gray, M.J., J.P. Lewis, P. Nanjappa, B. Klocke, F. Pasmans, A. Martel, C. Stephen, G. Parra Olea, S.A. Smith, A. Sacerdote-Velat, M. Christman, J. Williams, and D.H. Olson. 2015. *Batrachochytrium salamandrivorans*: the North American response and a call for action. *PLoS Pathogens* 11(12):e1005251.
48. Olson, D.H. 2015. The science of 50-foot riparian buffers in headwaters. *Western Forester* 60(5): 10–11.

49. Olson, D.H. and J.I. Burton. 2014. Near-term effects of repeated thinning with riparian buffers on headwater streams vertebrates and habitats in Oregon, USA. *Forests* 5:2703-2729.
50. Barela, K. and D.H. Olson. 2014. Mapping the Western Pond (*Actinemys marmorata*) and Painted Turtle (*Chrysemys picta*) in northwestern North America. *Northwestern Naturalist* 95(1):1-12.
51. Chestnut, T., C. Anderson, R. Popa, A.R. Blaustein, M. Voytek, D.H. Olson, and J. Kirshtein. 2014. Heterogeneous occupancy and density estimates of the pathogenic fungus *Batrachochytrium dendrobatidis* in waters of North America. *PLoS ONE* 9(9):e106790.
52. Olson, D.H. 2014. Scott Bar Salamander, *Plethodon asupak* Mead, Clayton, Nauman, Olson and Pfreder, 2005: Scott Bar Salamander. P. 238 In: Green, D.M., L. Weir, G.S. Casper, and M.J. Lannoo. *North American Amphibians: Distribution and Diversity*. Univ. Calif. Press, Los Angeles. 352 p.
53. Olson, D.H. and J.I. Burton. 2014. Near-term effects of repeated thinning with riparian buffers on headwater stream vertebrates and habitats in Oregon, USA. *Forests* 5: 2703-2729.
54. Olson, D.H., and T. Chestnut. 2014. Trouble in the aquatic world - how wildlife professionals are battling amphibian declines. *The Wildlife Professional* 8(4): 28-31.
55. Ruzicka, K.J., Jr., K.J. Puettmann, and D.H. Olson. 2014. Management of riparian buffers: upslope thinning with downslope impacts. *Forest Science* 60(5): 881-892.
56. Olson, D.H., and M.R. Kluber. 2014. Plethodontid salamander distributions in managed forest headwaters in western Oregon. *Herpetological Conservation and Biology* 9(1): 76-96.
57. Burton, J.I., A. Ares, K.J. Puettmann, D.H. Olson. 2013. Management trade-off between above-ground carbon storage and understory plant species richness in temperate forests. *Ecol. Applications* 23:1297-1310.
58. Gervasi, S.S., C. Gondhalekar, D.H. Olson, and A.R. Blaustein. 2013. Host identity matters in the amphibian-*Batrachochytrium dendrobatidis* system: fine-scale patterns of variation in responses to a multi-host pathogen. *PLoS ONE* 8(1): e54490.
59. Olson, D.H., D.M. Aanensen, K.L. Ronnenberg, C.I. Powell, S.F. Walker, J. Bielby, T.W.J. Garner, G. Weaver, the Bd Mapping Group, and M.C. Fisher. 2013. Mapping the global emergence of *Batrachochytrium dendrobatidis*, the amphibian chytrid fungus. *PLoS ONE* 8(2): e56802.
60. Bancroft, B.A., B.A. Han, C. Searle, L. M. Biga, D.H. Olson, L.B. Kats, J.J. Lawler, and A. R. Blaustein. 2011. Species-level correlates of susceptibility to the pathogenic amphibian fungus *Batrachochytrium dendrobatidis* in the United States. *Biodiversity Conservation* 20:1911-1920.
61. Kiestler, A.R. and D.H. Olson. 2011. Prime time for turtles. *Herpetol. Review* 42(2): 198-204.
62. Searle, C.L., S.S. Gervasi, J. Hua, J.I. Hammond, R.A. Relyea, D.H. Olson, and A.R. Blaustein. 2011. Differential host susceptibility to *Batrachochytrium dendrobatidis*, an emerging amphibian pathogen. *Conservation Biology* 25(5): 965-974.
63. Shoo, L. P., D.H. Olson, S.K. McMenamin, K.A. Murray, M. Van Sluys, M.A. Donnelly, D. Stratford, J. Terhivuo, A. Merino-Viteri, S.M. Herbert, P.J. Bishop, P.S. Corn, L. Dovey, R.A. Griffiths, K. Lowe, M. Mahony, H. McCallum, J.D. Shuker, C. Simpkins, L.F. Skerratt, S.E. Williams, J-M. Hero. 2011. Engineering a future for amphibians under climate change. *J. Applied Ecology*: 48: 487-492.
64. Kluber, M.R., D.H. Olson, and K.J. Puettmann. 2009. Downed wood microclimates and their potential impact on plethodontid salamander habitat in the Oregon Coast Range. *Northwest Science* 83:25-34.

65. Olson, D.H. (coord. Ed.). 2009. Herpetological conservation in northwestern North America. *Northwestern Naturalist* 90: 61-96.
66. Olson, D.H., D. Clayton, R.S. Nauman, and H.H. Welsh, Jr. (eds.). 2009. Conservation of the Siskiyou Mountains Salamander (*Plethodon stormi*). *Northwest Fauna* 6:1-73.
67. Olson, D.H. and K.M. Burnett. 2009. Design and management of linkage areas across headwater drainages to conserve biodiversity in forest ecosystems. *Forest Ecology and Management* 259S:S117-S126.
68. Kluber, M.R., D.H. Olson, and K.J. Puettmann. 2008. Amphibian distributions in riparian and upslope areas and their habitat associations on managed forest landscapes of the Oregon Coast Range. *Forest Ecology and Management* 256:529-535.
69. Olson, D.H. and C. Rugger. 2007. Preliminary study of the effects of headwater riparian reserves with upslope thinning on stream habitats and amphibians in western Oregon. *Forest Science* 53(2):331-342.
70. Olson, D.H., P.D. Anderson, C.A. Frissell, H.H. Welsh Jr., and D.F. Bradford. 2007. Biodiversity management approaches for stream riparian areas: Perspectives for Pacific Northwest headwater forests, microclimate and amphibians. *Forest Ecology and Management* 246(1):81-107.
71. Olson, D.H., K.J. Van Norman, and R.D. Huff. 2007. The utility of strategic surveys for rare and little-known species under the US federal Northwest Forest Plan. Gen. Tech. Rep. PNW-GTR-708. Portland, OR: USDA Forest Service, Pacific Northwest Research Station. 48 p.
72. Olson, D. H. and G. Weaver. 2007. Vertebrate assemblages associated with headwater hydrology in western Oregon managed forests. *Forest Science* 53(2):343-355.
73. Rundio, D.E. and D.H. Olson. 2007. Influence of headwater site conditions and riparian buffers on terrestrial salamander response to forest thinning. *Forest Science* 53(2):320-330.
74. Rykken, J.J, A.R. Moldenke, and D.H. Olson. 2007. Headwater riparian forest-floor invertebrate communities associated with alternative forest management practices. *Ecol. Appl.* 17(4):1168-1183.
75. Suzuki, N. and D.H. Olson. 2007. Options for biodiversity conservation in managed forest landscapes of multiple ownerships in Oregon and Washington, USA. *Biodiversity and Conservation* 16:3895-3917.
76. Olson, D.H. (ed.) 2006. Biodiversity. *Northwestern Naturalist* 87(1):1-85.
77. Jones, L.L.C., W.P. Leonard, and D.H. Olson (eds.). 2005. *Amphibians of the Pacific Northwest*. Seattle Audubon Society. 227 p.
78. Mead, L.S., D.R. Clayton, R.S. Nauman, D.H. Olson, and M.E. Pfrender. 2005. Newly discovered populations of salamanders from Siskiyou County California represent a species distinct from *Plethodon stormi*. *Herpetologica* 61:158-177.
79. Rundio, David E. and Deanna H. Olson. 2003. Antipredator defenses of larval Pacific giant salamanders (*Dicamptodon tenebrosus*) against cutthroat trout (*Oncorhynchus clarki*). *Copeia* 2003(2):392-397.
80. Sheridan, C.D. and D.H. Olson. 2003. Amphibian assemblages in zero-order basins in the Oregon Coast Range. *Canadian Journal of Forest Research* 33: 1452-1477.
81. Olson, D.H. 2001. Ecology and management of montane amphibians of the U.S. Pacific Northwest. *Biota* 2:51-74.
82. Rundio, D.E. and Olson, D.H. 2001. Palatability of southern torrent salamander (*Rhyacotriton variegatus*) larvae to Pacific giant salamander (*Dicamptodon tenebrosus*) larvae. *Journal of Herpetology* 35(1):133-136.

83. Blaustein, A.R., L.K. Belden, D.H. Olson, D.M. Green, T.L. Root, and J.M. Kiesecker. 2002. Amphibian phenology and climate change. *Conservation Biology* 16:1454-1455.
84. Olson, D.H., W.H. Leonard, and R.B. Bury (eds). 1997. Sampling amphibians in lentic habitats. *Northwest Fauna* 4:1-134.
85. Blaustein, A.R., J.J. Beatty, D.H. Olson, and R.M. Storm. 1995. The biology of amphibians and reptiles in old-growth forests in the Pacific Northwest. Gen. Tech. Rep. PNW-GTR-337. Portland, OR: USDA Forest Service, Pacific Northwest Research Station. 98 p.
86. Blaustein, A.R. and D.H. Olson. 1991. Amphibian population declines. *Science* 253:1467.
87. Olson, D.H. 1989. Predation on breeding western toads (*Bufo boreas*). *Copeia* 1989:391-397.
88. Olson, D.H., A.R. Blaustein, and R.K. O'Hara. 1986. Mating pattern variability in western toad, *Bufo boreas*, breeding aggregations. *Oecologia* 70:351-356.
89. Blaustein, A.R., R.K. O'Hara, and D.H. Olson. 1984. Kin preference behaviour is present after metamorphosis in *Rana cascadae* frogs. *Animal Behaviour* 32:445-450.
90. Olson, D.H. and M.K. McDowell. 1983. A comparison of white-bearded manakin (*Manacus manacus*) populations and lek systems in Suriname and Trinidad. *The Auk* 100:739-742.

Selected Recent Invited Presentations

1. Olson, D., J. Groom, and K.J. Puettmann. 2025. A stream-lined path: Headwater stream management for amphibians and fish in the US Pacific Northwest. Invited presentation: Oregon Chapters of The Wildlife Society and the Society of American Foresters, Salem, OR. 6 February 2025. ~50 participants. This was also an invited presentation at: Symposium: Biodiversity and Forests. The Wildlife Society, Baltimore, MD. October 21, 2024. ~60 participants.
2. Olson, D.H. 2025. Forest habitat connectivity in Pacific Northwest moist coniferous forests: Amphibian considerations. Oregon Chapters of The Wildlife Society and the Society of American Foresters, Salem, OR. 6 February 2025. ~150 participants. This was also an invited presentation at: Oregon Central Coast Forest Collaborative: Connectivity Panel. 6 November 2024. ~25 participants, webinar.
3. Olson, D.H. 2024. Amphibian disease data management web portals: Community connections. Crayfish Community of Practice, Invited, December 9, 2024. Webinar. ~25 participants.
4. Olson, D.H. and J. Homyack. 2024. Ecology and management of Oregon stream-breeding amphibians. Oregon Department of Forestry, Forest Practices Act, Private Forest Accord and Oregon Senate Bill 1501: Adaptive Management Program Committee, and Independent Research and Science Team. Oregon State University, La Selles Steward Center., 22 January 2024. Invited talk. 35 participants.
5. Olson, D.H., J. Groom, and K.J. Puettmann. 2024. Management of heterogeneous forest headwater ecosystems for amphibian habitat restoration, conservation, and risk mitigation in the US Pacific Northwest. River Restoration Northwest Symposium, Skamania Lodge, Stevenson, Washington. 8 February 2024, Invited talk. 300 participants.
6. Olson, D. and D. Pilliod. 2024. US West amphibians: Biogeography, biodiversity, threats, and conservation. World Congress of Herpetology, August 2024, Kuching, Malaysia, Borneo.
7. Olson, D.H. 2023. Amphibian & reptile diseases and globalization. Principles of Wildlife Diseases, FW 427: Ecampus: Dept. Fisheries, Wildlife, and Conservation Science, Oregon

- State Univ., Corvallis. Dr. Claire Couch, Instructor. Invited filmed talk. February 2023. 29 participants.
8. Olson, D.H. 2023. Wet & Wild Threats: Ectotherm Ecology and Management. USDA Forest Service, Pacific Northwest Research Station. SciCast webinar. May 25, 2023.
 9. Olson, D.H., M. Allender, K.H. Haman, E.K. Haynes, J. Lorch, J. Palmisano, and A. Pessier. 2023. Emerging Snake Disease in the US: Status and Strategy. Annual joint meeting of WA TWS, NW PARC, and SNVB, Grand Mound, April 27, 2023. Invited talk: Snake Symposium, Coordinator: Dr. Marc Hayes. 30 participants. Also, Snake Podcast panelist representing this talk, Chris Jenkins and Orianne Society's The Future of Snake Ecology and Conservation in the Northwest. Other panelists: Lisa Hallock, Dede Olson, Lameace Hussein, and Steve Mackessy. https://snake-talk.simplecast.com/episodes/the-future-of-snake-ecology-and-conservation-in-the-northwest-ZBCNyow_; YouTube: <https://www.youtube.com/watch?v=ZXekFvfxsmU> (89 views, 3/14/2024)
 10. Olson, D.H., A.A. Coble, and J.A. Homyack. 2023. Stream-Riparian Forest management: Beyond BMPs. Joint Annual joint meeting of WA TWS, NW PARC, and SNVB, Grand Mound, April 2023. Invited talk: Biotic Responses to Forest Management Session. 60 participants.
 11. Olson, D.H. 2022. Conservation of Endemic Old-Growth Forest-Associated Amphibians in the US Northwest. Invited speaker, Symposium: Biogeography and Diversification of Western Amphibians and Reptiles; Joint Meeting of Ichthyologists and Herpetologists, Spokane, WA. July.
 12. Olson, D.H. 2022. Amphibian surveillance and monitoring for conservation. PNW Amphibian Monitoring Working Group Meeting. [With Matt Distler and Katie Remine]. 5 October 2022. Virtual; Invited talk. ~25 participants.
 13. Olson, D. H., and J.I. Burton. 2021. Shrinking Headwaters with Climate Change Affect Salamander Habitat in Western Oregon. Invited speaker, Symposium: Climate Change in the USDA Forest Service – Using a Scorecard Approach to Vulnerabilities, Adaptation, and Watersheds and collaborating with USDA Climate Hubs Part 1. TWS2021 Virtual. November
 14. Olson, D.H. 2019, 2020, 2021. Strategic science for herpetological conservation. Integrative Biology 599: Science and Policy, graduate seminar lecture and discussion, Department of Integrative Biology, Oregon State University, Corvallis, OR. The Honorable Jane Lubchenco, instructor. February. (~20 participants each year).
 15. Olson, D.H. 2019. 25 Years of the Riparian Buffer Study. Northwest Regional Meeting of the Society for Freshwater Sciences. Newport, OR, 6 November 2019. (~50 participants)
 16. Olson, D.H. 2019. Climate-smart forest management for fish and wildlife. Annual Regional NCASI Meeting, Vancouver, WA. 25 September 2019. (~100 participants)
 17. Olson, D.H. 2019. Stream-riparian forest restoration: Beyond BMPs. Symposium: Forest/Watershed Restoration: Policy, Principles, and Practice, Washington Chapter of the Society of American Foresters, Port Angeles, WA. April. ~100 participants.
 18. Olson, D.H. 2019. Amphibian pathogen web portals. International symposium, Mitigating single pathogen and co-infections that threaten amphibian biodiversity. Zoological Society of London, UK. April. ~100 participants.
 19. Olson, D.H., A. Ares, and K. Puettmann. 2019. Stream-buffer Effects on Aquatic Vertebrates in Forested Headwaters: 5-years after a 2nd Density Management Harvest (the Plot Thickeners).

- 1) Symposium: Responses of Headwater Streams to Forest Management in the Pacific Northwest. Weyerhaeuser Corp., LaSells Stewart Center, Oregon State University, Corvallis, OR. [invited, Puettmann presented due to federal government shutdown] ~100 participants.
- 2) Joint meetings of the Society for Northwestern Vertebrate Biology, Washington Chapter of the Wildlife Society, and Northwest Partners in Amphibian and Reptile Conservation, Grand Mound, WA. February. [offered] ~70 participants.
20. Olson, D.H. 2018. US Forest Service Research & Development Overview: Indonesia Delegation Perspectives. Presentation to Indonesia forestry delegation. Question and Answer session. Corvallis, Forestry Sciences Laboratory, Oregon. 6 March 2018. 15 participants.
21. Olson, D.H. 2018. Student mentoring session: Beers and careers. Oral presentation and panel discussion. Society for the Study of Amphibians and Reptiles, Joint Meetings of Ichthyologists and Herpetologists, Rochester, NY: July 13, 2018. Nick Farallo, host. 100 participants.
22. Olson, D.H. 2018. Effects of riparian buffers and climate change on headwater stream flow: Shrinking heads in western Oregon. Symposium: Evaluating the effects of contemporary forest practices on water quantity and water quality. Soc. American Foresters, Portland, OR.
23. Olson, D.H. 2018. Amphibian emerging infectious diseases: What's on the radar? 2018 Herp Symposium: Issues in Reptile and Amphibian Conservation and Culture, Session: Reptile and Amphibian Diseases. Pet Industry Joint Advisory Council, Riverdale, Maryland.
24. Olson, D.H. 2018. Climate niches and herpetofaunal risk. Ecology, Evolution, and Conservation Biology Seminar Series, Fall 2018. Learning Innovation Center, Oregon State University, Corvallis, OR. October. Taal Levi, Matt Betts, hosts.
22. Olson, D.H., M. Mims, D. Pilliod, and J. Dunham. 2018. Ectothermoclines: Reptile climate sensitivity from a rarity- and traits-based analysis examining intrinsic risk to climate change. 2018 Joint Annual Meeting of the Society for Northwestern Vertebrate Biology, Northwest Partners in Amphibian and Reptile Conservation and the Oregon and Washington Chapters of The Wildlife Society, Portland, OR. 100 participants. *Northwestern Naturalist* 99(2):163.
23. Olson, D.H. and B. Van Horne. 2018. Climate impacts on rural and urban forestry. Roundtable Workshop, King County Department of Natural Resources and Parks, Green Tools Program, Sustainable Cities Roundtable, Bullitt Foundation. Snoqualmie, WA. July 17, 2018. 60 participants.

Synergistic Activities

1. Novel amphibian databases and data-sharing web portals (co-lead):
 - a. Amphibiandisease.org: 2016 to present, Amphibian Chytrid data management system, with Michelle Koo, AmphibiaWeb, UC Berkeley, CA. Global *Batrachochytrium salamandrivorans* and *B. dendrobatidis* data repository, and project mapping.
 - b. Bd-Maps.net: 2007 to 2014, Global Bd Mapping Project, with Mat Fisher and David Aanensen, Imperial College, London, UK. Global *Batrachochytrium dendrobatidis* site records. Web portal import and export functions were failing in 2014, it is now transitioning to amphibiandisease.org
 - c. GRRS: https://brunnerlab.shinyapps.io/GRRS_Interactive/ : 2015 to present, Global Ranavirus Reporting System, developed by EcoHealth Alliance, New York and Global Ranavirus Consortium. With: Matt Gray, Univ. Tennessee, Knoxville; Amanda Duffus, Gordon College, GA; Jesse Brunner, Washington State Univ., Pullman.

- d. Relocation, Reintroduction, Translocation, and Headstarting (RRTH) spreadsheet of projects: <http://parcplace.org/news-a-events/242-rrth.html>. 2011. Occasional updates provided. Globally accessible; Future: end-date not anticipated at this time.
 - e. Known site compilations:
 - a. all Oregon fish, amphibians, reptiles (Mims et al. 2018);
 - b. western squamate reptile sites (Pilliod et al. 2024);
 - c. western pond turtle and painted turtle sites OR, WA, CA (Barela and Olson 2013);
 - d. endemic salamander species classified under the federal Survey and Manage provision in the USDA Forest Service, Region 6, with taxa team partners (see Conservation Assessments or Conservation Agreements, <https://www.fs.usda.gov/r6/issssp/>): *Plethodon larselli*; *P. vandykei*; *P. stormi*.
 - e. amphibian species of USDA Forest Service Region 6 Sensitive Species and USDI Bureau of Land Management Special Status Species (ISSSSP: <https://www.fs.usda.gov/r6/issssp/>), in Conservation Assessments of: *Aneides flavipunctatus*; *Ascaphus montanus*; *Batrachoseps attenuatus*; *Batrachoseps wrighti*; *Dicamptodon copei*; *Rana boylei*.
2. Survey protocols
- f. Terrestrial salamanders (Olson, D.H. (ed.) 1999. Survey protocols for amphibians under the Survey and Manage provision of the Northwest Forest Plan. Version 3.0. Interagency publication of the Regional Ecosystem Office, Portland, OR. Bureau of Land Management Publication BLM/OR/WA/PT-00/033+1792; U.S. Government Printing Office: 2000--589-124/04022 Region No. 10. 310 p. Available at: <http://www.blm.gov/or/plans/surveyandmanage/>
 - g. Lentic breeding amphibians (Olson et al. 1996 (above); translated into Chinese)
 - h. Headwater stream vertebrates: Olson and Weaver 2007.

Selected Honors, Awards, and Recognitions

1. 2023: Distinguished Scientist Award, USDA Forest Service, Deputy Chief for Research and Development's Award, Dr. David Lytle.
2. 2022: Distinguished Scientist Award, US Forest Service Pacific Northwest Research Station, Station Director's Awards, Dr. Paul D. Anderson.
3. 2022: Turtle Pin, "Thank you for your leadership, your contributions to PARC, & to herp conservation!" Partners in Amphibian and Reptile Conservation: Federal Agencies Coordinator, Michelle Christman; State Agencies Coordinator, Kerry Wixted; National Co-chairs, Brian Zarate (NJ), Becca Cozad (FL); Diversity, Equity and Inclusion Task Team representative, Mark Mandica.
4. 2022: Journal recognition: Certificate of Achievement, Journal of Wildlife Management, Top-cited article between January 2020 and December 2021. "We are delighted that your work published in *Journal of Wildlife Management* is among our top cited papers and generated immediate impact in your community." Pilliod et al. 2020. Reptiles under the conservation umbrella of the Greater Sage-Grouse. *J. Wild. Manage.*
5. 2021: Journal recognition: Top 10% most cited PLoS ONE papers published in 2017. Also, this article is in the top 25% of all research outputs scored by Altmetric:

https://www.altmetric.com/details/15708530?utm_medium=email&utm_source=internal&utm_campaign=altmetric; accessed 29 July 2021.

- Gervasi, S.S., P.R. Stephens, J. Hua, C.L. Searle, J. Urbina, D.H. Olson, B.A. Bancroft, V. Weis, J.I. Hammond, and R.A. Relyea. 2017. Linking ecology and epidemiology to understand predictors of multi-host responses to an emerging pathogen, the amphibian chytrid fungus. *PLoS ONE* 12(1):e0167882
6. 2018: Certificate of Appreciation, For co-organizing the Early Career Scientist Workshop in October, 2017 and long-term commitment and creative approach to improving PNW's mentoring of early career scientists. Paul D. Anderson, Acting Station Director, PNW Research Station.
 7. 2018: Certificate of Appreciation: For your service to the US Forest Service, Research & Development, Institutional Animal Care and Use Committee. Your dedication to animal welfare is commendable. Carl Lucero, Institutional Official, US Forest Service, Washington, D.C.
 8. 2017: Journal recognition: Top 1% Most-Cited Article in *PLoS ONE*. Public Library of Science, 29 June 2017: "Congratulations! Your article is among the top 1% most cited *PLOS ONE* articles. Below are counts for views and citations as of June 2017 for one of the articles you've published with *PLOS ONE*." Article: Olson, Aanensen et al. 2013. Mapping the Global Emergence of *Batrachochytrium dendrobatidis*, the Amphibian Chytrid Fungus. 26,926 views; 116 citations. [March 2019: >33,000 views; 295 citations]
 9. 2017: Excellence in Science Delivery, Clock: "For her role as editor of *People, Forests, and Change: Lessons from the Pacific Northwest*, an engaging, important new book about moist coniferous forests that is of keen interest to forest managers, scientists, policymakers, and educators in our region." Paul D. Anderson, Station Director, PNW Research Station.
 10. 2014: US Forest Service Research & Development Deputy Chief's Award for Science Delivery.
 11. 2014: Named in "The 45 most influential female ecologists alive today" according to Twitter list: <http://www.southernfriedscience.com/?p=16677>
 12. 2012: Alison Haskell Award for Excellence in Herpetological Conservation, Partners in Amphibian and Reptile Conservation.
 13. 2011: Excellence in Science Award, Society for Northwestern Vertebrate Biology.
 14. 2010 to present: Who's Who in America (Marquis).
 15. 2010: PNW Station Director's Award for Excellence: Distinguished Science Award: "For sustained excellence in the fundamental study of amphibian ecology and the effective delivery of that knowledge to address practical management and policy issues."
 16. 2010: Top 10 Most Cited Papers in Forest Ecology and Management (Olson et al. 2007), Elsevier publishers, free lunch in Seoul, South Korea.

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