

Andrew J. (A.J.) Kroll

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EDUCATION

University of Montana, Missoula, MT, 2001-2004; Ph.D., Wildlife Biology, December 2004.

Advisors: J.B. Haufler and J.W. Thomas.

New Mexico State University, Las Cruces, NM, 1999-2000; M.S., Wildlife Science, May 2001.

Advisor: M. Andersen.

St. John's College, Annapolis, MD, 1989-1994; B.A., Philosophy and Foundations of Mathematics and Science, May 1994.

PROFESSIONAL CERTIFICATION

Certified Wildlife Biologist, The Wildlife Society, 2007-present.

PROFESSIONAL SOCIETIES

The Wildlife Society (National, Oregon, and Washington Chapters)

RESEARCH/PROFESSIONAL INTERESTS

Population and community responses to land-use practices; wildlife/habitat/ecosystem management; statistical graphics; professional ethics.

PROFESSIONAL EXPERIENCE

Weyerhaeuser, Federal Way, WA, January 2005-present; current grade: Scientist/Engineer 5.

- Design multi-year, experimental research projects, conduct statistical analysis, and prepare manuscripts for peer-reviewed journals; direct others in same tasks (40%)
- Lead team to integrate contemporary statistical practices in environmental research programs and to develop novel tools for project-specific applications (25%)
- Engage collaborators and stakeholders from universities, government agencies, and NGOs (15%)
- Analyze ecosystems services, forestry, geology, hydrology, and wildlife data to support Timberlands Operations and to address performance measures for Sustainable Forestry Initiative (SFI) (15%)
- Serve as industry representative, State of Washington CMER Adaptive Management Program (5%)

Previous Experience

- Doctoral candidate, Wildlife Biology Program, University of Montana, Missoula, MT, 2001-2004.
- Master's candidate, Fishery and Wildlife Sciences Department, New Mexico State University, Las Cruces, NM, 1999-2000.
- Research Technician, Sevilleta LTER Station, University of New Mexico, Socorro, NM, 1998.
- Research Technician, University of California, U.S. Forest Service, Mammoth Lakes, CA, 1997.

GRANTS AND FUNDING

2014. Oregon State University Fish & Wildlife Habitat in Managed Forests Program, College of Forestry. Experimental evaluation of plethodontid salamander responses to forest harvesting. B. Lachenbruch, T. Garcia, A.J. Kroll, and B. Murden. 2015-2016. \$83,210.
2013. Oregon Forest Industries Council. Oregon Slender Salamander responses to forest harvesting. A.J. Kroll and M. Rochelle. 2014-2015. \$60,000.
2011. Oregon Conservation Strategy Implementation. Oregon Slender Salamander monitoring, T.S. Garcia, K. Dugger, A.J. Kroll, M. Rochelle, and J. Johnson. 2012-2013. \$71,442.
2008. Oregon Forest Industries Council. Experimental evaluation of avian nest survival and productivity in created snags, A.J. Kroll and Mike Rochelle. 2008-2010. \$75,000.
2000. U.S. Army Corps of Engineers. Review and assessment of quantitative models utilized in habitat evaluation. \$3,500.
2000. T & E, Inc., Las Cruces, NM. Ecology of desert gastropods. \$2,500.

PUBLICATIONS

Published or in press

- 42) **Kroll, A.J.**, T.J. Garcia, J. Jones, K. Dugger, B. Murden, J. Johnson, S. Peterman, B. Brintz, and M. Rochelle. 2015. Evaluating multi-level models to assess occupancy state responses of Plethodontid salamanders. *In press, PLOS ONE*.
- 41) Pearson, S., J. Giovanini, J. Jones, and **A.J. Kroll**. 2015. Breeding bird community continues to colonize riparian buffers ten years after harvest. *In press, PLOS ONE*.
- 40) Homyack, J. and **A.J. Kroll**. 2014. Slow lives in the fast landscape: conservation and management of plethodontid salamanders in production forests of the United States. *Forests 5: 2750-2772*.
(Invited paper)
- 39) **Kroll, A.J.**, Y. Ren, J. Jones, J. Giovanini, R. Perry, R. Thill, D. White, and B. Wigley. 2014. Avian community associations with interactions between local and landscape covariates. *Forest Ecology and Management 326: 46-57*.
- 38) Betts, M, J. Verschuyt, J. Giovanini, T. Stokely, and **A.J. Kroll**. 2013. Initial experimental effects of intensive forest management on avian abundance. *Forest Ecology and Management 310: 1036-1044*.
- 37) Kozma, J. and **A.J. Kroll**. 2013. Nestling provisioning by Hairy and White-headed woodpeckers in managed ponderosa pine forests. *Wilson Journal of Ornithology 125: 534-545*.
- 36) Otto, C., **A.J. Kroll**, and H.C. McKenny. 2013. Amphibian response to downed wood retention in managed forests: a prospectus for future biomass harvest in North America. *Forest Ecology and Management 304: 275-285*.

- 35) Giovanini, J., **A.J. Kroll**, J. Jones, B. Altman, and E.B. Arnett. 2013. Effects of management intervention on post-disturbance community composition: an experimental analysis using Bayesian hierarchical models. *PLOS ONE* 8: e59900.
- 34) McIntyre, A., J. Jones, E. Lund, F.T. Waterstrat, J. Giovanini, S. Duke, M. Hayes, T. Quinn, and **A.J. Kroll**. 2012. Evaluating N-mixture model abundance estimators for unmarked individuals of cryptic taxa. *Forest Ecology and Management* 286: 129-136.
- 33) Linden, D., G. Roloff, and **A.J. Kroll**. 2012. Conserving avian richness through structure retention in managed forests of the Pacific Northwest, USA. *Forest Ecology and Management* 284: 174-184.
- 32) Jones, J., **A.J. Kroll**, J. Giovanini, S. Duke, T. Ellis, and M. Betts. 2012. Avian species richness in relation to intensive forest management practices in early seral tree plantations. *PLOS ONE* 7: e43290.
- 31) Hane, M., **A.J. Kroll**, J. Johnson, M. Rochelle, and E.B. Arnett. 2012. Experimental effects of structural enrichment on avian nest survival. *Forest Ecology and Management* 282: 167-174.
- 30) Farber, S. and **A.J. Kroll**. 2012. Effectiveness of operational surveys for assessing Northern Spotted Owl detection probabilities and site occupancy dynamics in interior Douglas fir forests, CA, USA, 1995-2009. *Journal of Wildlife Management* 76(6): 1145-1152.
- 29) **Kroll, A.J.**, J. Giovanini, J. Jones, E.B. Arnett, and B. Altman. 2012. Effects of salvage logging of beetle-killed forests on avian species and foraging guild abundance. *Journal of Wildlife Management* 76(6): 1188-1196.
- 28) **Kroll, A.J.**, M. Lacki, and E.B. Arnett. 2012. Research needs to support management and conservation of cavity-dependent birds and bats on forested landscapes in the Pacific Northwest. *Western Journal of Applied Forestry* 27(3): 128-136.
- 27) **Kroll A.J.**, S. Duke, M. Hane, J. Johnson, M. Rochelle, M.G. Betts, and E.B. Arnett. 2012. Landscape composition influences avian colonization of experimentally created snags. *Biological Conservation* 152: 145-151.
- 26) Ellis, T., **A.J. Kroll**, and M. Betts. 2012. Early seral hardwood vegetation increases adult and fledgling bird abundance in Douglas-fir plantations of the Oregon Coast Range. *Canadian Journal of Forest Research* 42: 918-933.
- 25) Kozma, J. and **A.J. Kroll**. 2012. Woodpecker nest survival in burned and unburned managed ponderosa pine forests of the northwestern United States. *The Condor* 114: 173-184.
- 24) Jones, J., **A.J. Kroll**, J. Giovanini, S. Duke, and M. Betts. 2011. Estimating occupancy thresholds with variation in detection probability. *Ecology* 92: 2299-2309.
- 23) Roloff, G.J., T.E. Grazia, K.F. Millenbah, and **A.J. Kroll**. 2011. Factors associated with amphibian detection and occupancy in southern Michigan forests. *Journal of Herpetology* 45: 15-22.
- 22) **Kroll, A.J.** 2010. Riparian habitat/populations. Pages 57-72 in Ryan, D.F., and Calhoun, J.M. (tech. eds.). Riparian adaptive management symposium: a conversation between scientists and management. General Technical Report, PNW-GTR-830, U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station. 135 p.
- 21) Arnett, E.B., **A.J. Kroll**, and S.D. Duke. 2010. Avian foraging and nesting use of created snags in intensively-managed forests of western Oregon, USA. *Forest Ecology and Management* 260: 1773-1779.
- 20) **Kroll, A.J.**, E.B. Arnett, and B. Altman. 2010. Effects of salvage-logging on avian nest survival in beetle-killed forests. *Forest Ecology and Management* 260: 1599-1606.

- 19) **Kroll, A.J.**, J.G. MacCracken, T. McBride, J. Bakke, J. Light, N.P. Peterson, and J. Bach. 2010. Basin-scale surveys of stream-associated amphibians in intensively managed forests. *Journal of Wildlife Management* 74: 1580-1587.
- 18) **Kroll, A.J.**, T. Fleming, and L. Irwin. 2010. Site occupancy dynamics of Northern Spotted Owls in the Eastern Cascades, WA, USA, 1990-2003. *Journal of Wildlife Management* 74: 1264-1274.
- 17) **Kroll, A.J.** and J.B. Haufler. 2010. Measuring ecologically important quantities at relevant operational scales: an example using the dusky flycatcher in selectively-logged forests in Idaho. *Forest Ecology and Management* 260: 715-722.
- 16) Turner, T.R., S.D. Duke, B. Fransen, M. Reiter, **A.J. Kroll**, J. Ward, J. Bach, T. Justice, and R.E. Bilby. 2010. Landslide densities associated with rainfall, stand age, and topography on forested landscapes, southwestern Washington, USA. *Forest Ecology and Management* 259: 2233–2247.
- 15) Kozma, J. and **A.J. Kroll**. 2010. Estimating nest survival for western bluebirds in managed forests. *The Condor* 112: 87-95.
- 14) **Kroll, A.J.**, M.P. Hayes, and J.G. MacCracken. 2009. Concerns regarding the use of amphibians as metrics of critical biological thresholds: a comment on Welsh and Hodgson. *Freshwater Biology* 54: 2364-2363.
- 13) **Kroll, A.J.** and J. G. MacCracken. 2009. Forest management and amphibians in the Pacific Northwest. Page 64 in D. H. Olson, editor. Herpetological conservation in northwestern North America. *Northwestern Naturalist* 90(1): 61-96.
- 12) **Kroll, A.J.**, J. Runge, and J.G. MacCracken. 2009. Inappropriate metrics obfuscate more about amphibian populations than they reveal. *Biological Conservation* 142: 2802-2806.
- 11) **Kroll, A.J.** and J.B. Haufler. 2009. Age and clutch size variation in Dusky Flycatcher nest survival. *Journal of Ornithology* 150: 409-417.
- 10) **Kroll, A.J.** 2009. Sources of uncertainty in stream-associated amphibian ecology and responses to forest management in the Pacific Northwest, USA: a review. *Forest Ecology and Management* 257: 1188–1199.
- 9) **Kroll, A.J.**, K.L. Risenhoover, T. McBride, E. Beach, B.J. Kernohan, J. Light, and J. Bach. 2008. Factors influencing occupancy and detection probability parameters for stream-associated amphibians in commercial forests of Oregon and Washington. *Forest Ecology and Management* 255: 3726-3735.
- 8) **Kroll, A.J.**, S.D. Duke, D.E. Runde, E.B. Arnett, and K.A. Austin. 2007. Modeling habitat occupancy of orange-crowned warblers (*Vermivora celata*) in managed forests. *Journal of Wildlife Management* 71(4): 1089-1097.
- 7) **Kroll, A.J.** and J.B. Haufler. 2007. Evaluating habitat quality for the Dusky Flycatcher (*Empidonax oberholseri*). *Journal of Wildlife Management* 71(1): 14-22.
- 6) **Kroll, A.J.** 2007. Integration professional skills in wildlife student education. *Journal of Wildlife Management* 71(1): 226-230.
- 5) **Kroll, A.J.** and J.B. Haufler. 2006. Development and evaluation of habitat models at multiple spatial scales: a case study with the dusky flycatcher. *Forest Ecology and Management* 229: 161-169.
- 4) **Kroll, A.J.** 2003. Comments on the natural history of the *Ashmunella* (Gastropoda: Pulmonata: Polygyridae) of White Sands Missile Range (New Mexico, USA) and Fort Bliss (New Mexico and Texas, USA). *The Veliger* 46(1): 98-99.

- 3) **Kroll, A.J.**, K. Boykin, B.C. Thompson, M. Andersen, and D. Daniel. 2003. Habitat characteristics of *Ashmunella* (Gastropoda: Pulmonata: Polygyridae) at White Sands Missile Range and Fort Bliss, New Mexico. *Southwestern Naturalist* 48(1): 14-22.
- 2) Barry, D. and **A.J. Kroll**. 1999. A phytosociological description of a remnant bottomland hardwood forest in Denton Country, Texas. *Texas Journal of Science* 51(4): 309-316.
- 1) **Kroll, A.J.** and D. Barry. 1998. Finding community in the wilderness: conservation and the mountain towns of southwestern Colorado. *Sustainable Communities Review* 2(2): 26-31.

In Review or Preparation

Kroll, A.J., J. Jones, A. Stringer, and D. Meekins. Long-term population stability of an endangered forest raptor in the absence of a novel competitor. In review, Forest Ecology and Management.

McIntyre, A., M. Hayes, J. Jones, E. Lund, J. Giovanini, T. Quinn, and A.J. Kroll. Effects of experimental disturbance on an amphibian assemblage. In preparation, Conservation Letters.

Kroll, A.J., J. Verschuyll, J. Giovanini, and M. Betts. Diversity, then stability: avian communities converge rapidly after experimental forest disturbance. In preparation, Journal of Applied Ecology.

Verschuyll, J., A.J. Kroll, J. Giovanini, and M. Betts. Negative effects of intensive forest management on avian abundance dissipate rapidly during succession. In preparation, Ecological Applications.

Verschuyll, J., A.J. Kroll, J. Jones, and J. Giovanini. Hierarchical Bayesian modeling of productivity and habitat structure effects on avian species richness and abundance. In preparation, Journal of Animal Ecology.

Kroll, A.J., J. Jones, R.W. Perry, and T.B. Wigley. Avian biological diversity is associated with landscape configuration and not composition. In preparation, Forest Ecology and Management.

TRADE PUBLICATIONS

- 8) Kroll, A.J. 2010. Forestry in the Pacific Northwest: how important are riparian buffers to stream-associated amphibians? *Western Forester* 55(2): 9-10.
- 7) Kroll, A.J. and D. Barry. 1999. Carnivores in the Caprock: re-wilding the High Plains of Texas. *Wild Earth* 9(2): 35-40.
- 6) Kroll, A.J. and D. Barry. 1998. Conservation in the Sky Islands of Oklahoma. *Wild Earth* 8(3): 26-29.
- 5) Kroll, A.J. 1997. A day on the Florida. *The Trumpeter* 14(3): 127-131.
- 4) Kroll, A.J. 1997. A conservation proposal for the West Texas mountains. *Texas Restoration Notes* 2(3): 20-29.
- 3) Kroll, A.J. and D. Barry. 1997. Integrating conservation and community in the San Juans. *Wild Earth* 7(3): 81-87.
- 2) Kroll, A.J. 1997. The difficult grace of restoration. *Texas Restoration Notes* 2(1): 9-13.
- 1) Kroll, A.J. 1996. Walking, solitude and the Henry Mountains. *The Trumpeter* 13(2): 35-39.

PRESENTATIONS

- 112) Verschuyf, J., **A.J. Kroll**, J. Giovanini, and M. Betts. 2015. Initial negative effects of intensive forest management on avian abundance are dampened during succession. 22nd Annual Conference, The Wildlife Society (17-21 October), Winnipeg, Manitoba.
- 111) Verschuyf, J. and **A.J. Kroll**. 2015. Maintenance of biological diversity and ecosystem services on intensively managed forests. NCASI West Coast Regional Meeting (22-24 September), Vancouver, WA. (**Invited speaker**)
- 110) McIntyre, A., J. Jones, E.M. Lund, J. Giovanini, S.D. Duke, M.P. Hayes, T. Quinn, and **A.J. Kroll**. 2015. Stream-associated amphibian responses to forestry practices in western Washington. 145th Annual Meeting, American Fisheries Society (16-20 August), Portland, OR.
- 109) Rivers, J., M. Betts, **A.J. Kroll**, C. Schwarz, and J. Verschuyf. 2015. Songbird demographic response to herbicide application in early seral forest. Joint Annual Meeting of American Ornithologists' Union and Cooper Ornithological Society, (28 July -1 May), Norman, OK.
- 108) **Kroll, A.J.** 2015. Young stand management in the Pacific Northwest, Joint Annual Meeting of the Oregon Chapters of The Wildlife Society and Society of American Foresters (29 April -1 May), Eugene, OR
- 107) **Kroll, A.J.**, T. Garcia, B. Murden, J. Jones, J. Johnson, S. Peterman, and M. Rochelle. 2015. Oregon slender salamander responses to intensive forest management. Joint Annual Meeting of the Oregon Chapters of The Wildlife Society and Society of American Foresters (29 April-1 May), Eugene, OR.
- 106) Rivers, J.W., J. Verschuyf, **A.J. Kroll**, and M. Betts. 2015. Influence of intensive forest management practices on breeding success of the white-crowned sparrow, an early seral songbird. Joint Annual Meeting of the Oregon Chapter of The Wildlife Society and Oregon Chapter of Society of American Foresters (29 April-1 May), Eugene, OR
- 105) Rivers, J.W., J. Verschuyf, **A.J. Kroll**, and M. Betts. 2015. Influence of intensive forest management on the breeding success of an early seral songbird. Joint Annual Meeting of the Northwest Section of The Wildlife Society, Washington Chapter of The Wildlife Society, and Society of American Foresters (14-17 April), Grand Mound, WA. (**Invited speaker**)
- 104) **Kroll, A.J.** 2015. Young stand management in the Pacific Northwest. Joint Annual Meeting of the Northwest Section of The Wildlife Society, Washington Chapter of The Wildlife Society, and Society of American Foresters (14-17 April), Grand Mound, WA. (**Invited speaker**)
- 103) Rivers, J.W., J. Verschuyf, **A.J. Kroll**, and M. Betts. 2015. Quantifying tradeoffs between biodiversity and timber production in western Oregon: an overview of the Intensive Forest Management Study. Joint Annual Meeting of the Northwest Section of The Wildlife Society, Washington Chapter of The Wildlife Society, and WA Chapter of Society of American Foresters (14-17 April), Grand Mound, WA. (**Invited speaker**)
- 102) McIntyre, A., J. Jones, E.M. Lund, J. Giovanini, S.D. Duke, M.P. Hayes, T. Quinn, and **A.J. Kroll**. 2015. Stream-associated amphibian responses to contemporary forestry practices in western Washington. Annual Cooperative Monitoring, Evaluation, and Research Science meeting (11 February), Olympia, WA. (**Invited speaker**)
- 101) Pearson, S., J. Giovanini, J. Jones, and **A.J. Kroll**. 2015. Breeding bird response to riparian buffer width: 10 years post-harvest. Annual Cooperative Monitoring, Evaluation, and Research Science meeting (11 February), Olympia, WA. (**Invited speaker**)

- 100) Betts, M.G., J.P. Verschuyf, **A.J. Kroll**, J. Rivers. 2014. Do birds help trees grow? Trophic cascades in intensively managed forests. Wildlife in Managed Forests: songbirds and early seral habitats, Oregon Forest Research Institute (18 November), Corvallis, OR.
- 99) Verschuyf, J. M. Betts, J. Rivers, J. Giovanini, and **A.J. Kroll**. 2014. Songbird abundance in early seral habitats. Wildlife in Managed Forests: songbirds and early seral habitats, Oregon Forest Research Institute (18 November), Corvallis, OR. **(Invited speaker)**
- 98) **Kroll, A.J.** 2014. The economics of early seral ecology. Wildlife in Managed Forests: songbirds and early seral habitats, Oregon Forest Research Institute (18 November), Corvallis, OR. **(Invited plenary speaker)**
- 97) **Kroll, A.J.**, T. Garcia, J. Jones, B. Murden, J. Johnson, S. Peterman, and M. Rochelle. 2014. Multi-scale responses of Oregon slender and *Ensatina* salamanders to forest management. 21th Annual Conference, The Wildlife Society (25-30 October), Pittsburgh, PA.
- 96) Homyack, J. and **A.J. Kroll**. 2014. Relationships of salamanders with downed wood in managed forests of the United States. 24th International Union of Forest Research Organizations World Congress (5-11 October), Salt Lake City, UT. **(Invited speaker)**
- 95) Pearson, S., J. Giovanini, J. Jones, and **A.J. Kroll**. 2014. Breeding bird response to experimental manipulation of riparian buffer width: 10 years post-harvest. NCASI West Coast Regional Meeting (23-24 September), Vancouver, WA. **(Invited speaker)**
- 94) **Kroll, A.J.**, T. Garcia, J. Jones, B. Murden, J. Johnson, S. Peterman, and M. Rochelle. 2014. Multi-scale responses of Oregon slender and *Ensatina* salamanders to forest management. North America Congress for Conservation Biology (13-16 July), Missoula, MT.
- 93) Pearson, S., J. Giovanini, J. Jones, and **A.J. Kroll**. 2014. Breeding bird response to riparian buffer width: 10 years post-harvest. North America Congress for Conservation Biology (13-16 July), Missoula, MT.
- 92) **Kroll, A.J.** 2014. Sampling designs for cryptic species: a quick example. Biodiversity Without Boundaries: The NatureServe Conservation Conference (6-10 April), New Orleans, LA. **(Invited speaker)**
- 91) Rochelle, M., J. Homyack, D. Miller, **A.J. Kroll**, and R. Bilby. 2014. Management of endangered species on private timberlands in the United States—a case study. Biodiversity Without Boundaries: The NatureServe Conservation Conference (6-10 April), New Orleans, LA. **(Invited speaker)**
- 90) Verschuyf, J., D. McWethy, J. Giovanini, J. Jones, and **A.J. Kroll**. 2014. Does available energy influence avian response to key forest stand habitat features? 2014 Plum Creek Distinguished Lecture Series, Northwest Scientific Association Annual Meeting (27-28 March), Missoula, MT. **(Invited speaker)**
- 89) Peterman, S., J. Johnson, M. Rochelle, T. Garcia, B. Murden, J. Jones, and **A.J. Kroll**. 2014. Experimental evaluation of Oregon Slender Salamander and *Ensatina* responses to forest management. 48th Annual meeting of the Oregon Chapter of The Wildlife Society (5-7 February), Bend, OR. **(Invited speaker)**
- 88) Stokely, T.D., J.P. Verschuyf, **A.J. Kroll**, and M.G. Betts. 2014. Interactive effects of silvicultural herbicides and cervid herbivory on early seral plant communities of the northern Oregon Coast Range. 48th Annual meeting of the Oregon Chapter of The Wildlife Society (5-7 February), Bend, OR.

- 87) Rivers, J., J. Verschuyf, **A.J. Kroll**, and M. Betts. 2014. Quantifying the demographic consequences of intensive management practices on breeding birds in early seral plantation forest. 48th Annual meeting of the Oregon Chapter of The Wildlife Society (5-7 February), Bend, OR.
- 86) **Kroll, A.J.** 2014. Responses of terrestrial amphibians in production ecosystems. Joint Annual Meeting of the Society of Northwest Vertebrate Biologists and the Washington Chapter of The Wildlife Society (4-7 February), Pasco, WA. **(Invited speaker)**
- 85) J. Verschuyf, **A.J. Kroll**, J. Rivers, and M.G. Betts. 2014. A manipulative study of the effects of forest herbicide use on nest success of early seral birds. Joint Annual Meeting of the Society of Northwest Vertebrate Biologists and the Washington Chapter of The Wildlife Society (4-7 February), Pasco, WA.
- 84) **Kroll, A.J.** 2013. Conducting effective peer reviews. Behind the Scenes of Scientific Publication and Critical Review Workshop, 20th Annual Conference, The Wildlife Society, Milwaukee, WI. **(Invited speaker)**
- 83) Verschuyf, J., M. Betts, and **A.J. Kroll**. 2013. Initial effects of herbicides on bird abundance in plantation forests. 20th Annual Conference, The Wildlife Society, Milwaukee, WI.
- 82) Otto, C. and **A.J. Kroll**. 2013. Amphibian response to downed wood retention in managed forests: a prospectus for future biomass harvest. 20th Annual Conference, The Wildlife Society, Milwaukee, WI.
- 81) **Kroll, A.J.**, J. Giovanini, and J. Jones. 2013. Effects of management intervention on post-disturbance community composition. 20th Annual Conference, The Wildlife Society, Milwaukee, WI.
- 80) Rivers, J., J. Verschuyf, **A.J. Kroll**, and M. Betts. 2013. Avian demography across a gradient of management intensity in early seral plantation forests. NCASI West Coast Regional Meeting (1-3 October), Vancouver, WA. **(Invited speaker)**
- 79) **Kroll, A.J.** 2013. Amphibian responses to downed wood retention in managed forests: a prospectus for future harvesting in the Pacific Northwest, USA. NCASI West Coast Regional Meeting (1-3 October), Vancouver, WA. **(Invited speaker)**
- 78) Hane, M.E., **A.J. Kroll**, J.R. Johnson, M. Rochelle, and E.B. Arnett. 2013. Nest survival in experimentally created snags on a managed forest landscape. One hundred and thirty-first Stated Meeting of the American Ornithologists' Union held in conjunction with the Eighty-third Annual Meeting of the Cooper Ornithological Society (14-17 August), Chicago, IL.
- 77) **Kroll, A.J.** 2013. Hypothesis testing, parameter estimation, and inference. Cooperative Monitoring, Evaluation, and Research meeting, WA Department of Natural Resources (25 June), Olympia, WA. **(Invited speaker)**
- 76) **Kroll, A.J.** and J. Jones. 2013. Do thresholds in species occurrence exist in relation to landscape composition and configuration? 28th Annual Symposium of the U.S. Chapter of the International Association of Landscape Ecologists (14-18 April), Austin, TX.
- 75) Verschuyf, J., G. Roloff, and **A.J. Kroll**. 2013. Wildlife response to structural retention. Wildlife in Managed Forests: Practical Tools Workshop (14 March), Oregon Forest Research Institute, Albany, OR.
- 74) Verschuyf, J., M. Betts, and **A.J. Kroll**. 2013. A manipulative study of the effects of forest herbicide use on birds and arthropods. Joint Annual Meeting of the Oregon and Washington Chapters of The Wildlife Society (13-15 February), Skamania, WA.

- 73) Kozma, J. and **A.J. Kroll**. 2013. Nestling provisioning by Hairy and White-headed Woodpeckers in managed ponderosa pine forests of Washington. Joint Annual Meeting of the Oregon and Washington Chapters of The Wildlife Society (13-15 February), Skamania, WA.
(Invited speaker)
- 72) **Kroll, A.J.**, J. Giovanini, and J. Jones. 2013. Effects of management intervention on post-disturbance community composition. Joint Annual Meeting of the Oregon and Washington Chapters of The Wildlife Society (13-15 February), Skamania, WA.
- 71) **Kroll, A.J.** 2013. Avian responses to forest structural enrichment. Joint Annual Meeting of the Oregon and Washington Chapters of The Wildlife Society (13-15 February), Skamania, WA.
(Invited speaker)
- 70) **Kroll, A.J.** 2013. Responses of stream-associated amphibians to sediment derived from natural and anthropogenic disturbance. USFS/USGS/Oregon Department of Forestry/Oregon State University Symposium on Quantifying In-Stream Sediment and Biotic Responses (24 January), Corvallis, OR. **(Invited speaker)**
- 69) Farber, S.L. and **A.J. Kroll**. 2012. Site occupancy dynamics of Northern spotted owls in managed interior Douglas fir forests, California, USA, 1995-2009. 19th Annual Conference, The Wildlife Society, Portland, OR.
- 68) Garcia, T.S., K. Dugger, J. Johnson, M. Rochelle, and **A.J. Kroll**. 2012. Estimating occupancy probabilities for the Oregon Slender Salamander (*Batrachoseps wrighti*) in the western Cascade mountain range. 19th Annual Conference, The Wildlife Society, Portland, OR.
- 67) **Kroll, A.J.**, S. Duke, M. Hane, J. Johnson, M. Rochelle, M.G. Betts, and E.B. Arnett. 2012. Landscape composition influences avian colonization of experimentally created snags. 19th Annual Conference, The Wildlife Society, Portland, OR.
- 66) McIntyre, A., J. Jones, E. Lund, M. Hayes, T. Quinn, **A.J. Kroll**, J. Giovanini, and S. Duke. 2012. Estimation of detection probability and abundance for cryptic stream breeding amphibians utilizing a binomial mixture model. 19th Annual Conference, The Wildlife Society, Portland, OR.
- 65) **Kroll, A.J.** 2012. Conducting effective peer reviews. Behind the Scenes of Scientific Publication and Critical Review Workshop, 19th Annual Conference, The Wildlife Society, Portland, OR.
(Invited speaker)
- 64) Verschuyll, J., **A.J. Kroll**, J. Giovanini, J. Jones, and S. Duke. 2012. Does energy mediate the response of birds to within-stand forest structure? NCASI West Coast Regional Meeting (1-3 October), Vancouver, WA.
- 63) Hane, M.E., **A.J. Kroll**, J. Johnson, M. Rochelle, and E.B. Arnett. 2012. Experimental effects of structural enrichment on avian nest survival in a managed forest landscape. Emerald Chapter of the Society of American Foresters Annual Meeting, Eugene, OR.
- 62) **Kroll, A.J.**, J. Giovanini, J. Jones, and E. Arnett. 2012. Avian community responses to environmental and anthropogenic disturbances. NCASI West Coast Regional Meeting (1-3 October), Vancouver, WA. **(Invited speaker)**
- 61) Betts, M., J. Verschuyll, **A.J. Kroll**, J. Giovanini, and T. Stokely. 2012. Effects of intensive forest management on birds, arthropods, and food web dynamics in young Douglas-fir plantations. NCASI West Coast Regional Meeting (1-3 October), Vancouver, WA.
- 60) Hayes, M.P., A. McIntyre, J. Jones, E. Lund, F.T. Waterstrat, J. Giovanini, S.D. Duke, T. Quinn, and **A.J. Kroll**. 2012. Evaluating N-mixture abundance estimators for unmarked individuals of cryptic taxa. World Congress of Herpetology 2012 Meeting (8-14 August), Vancouver, Canada.

- 59) Hane, M.E., **A.J. Kroll**, J. Johnson, M. Rochelle, and E.B. Arnett. 2012. Experimental effects of structural enrichment on avian nest survival. 97th Annual Meeting of the Ecological Society of America (5-10 August), Portland, OR.
- 58) Verschuyf, J., **A.J. Kroll**, J. Giovanini, J. Jones, and S. Duke. 2012. Does available energy influence avian response to key forest stand habitat features? 97th Annual Meeting of the Ecological Society of America (5-10 August), Portland, OR.
- 57) **Kroll, A.J.**, J. Jones, J. Giovanini, S. Duke, T. Ellis, and M. Betts. 2012. Avian species richness in relation to forest management practices in early seral tree plantations. 97th Annual Meeting of the Ecological Society of America (5-10 August), Portland, OR.
- 56) Lund, E., A. McIntyre, J. Jones, M. Hayes, T. Quinn, **A.J. Kroll**, S. Duke, and J. Giovanini. 2012. Evaluating a binomial mixture model for estimating detection probability and abundance of cryptic stream breeding amphibians. Annual Cooperative Monitoring, Evaluation, and Research Science meeting (27 March), Olympia, WA. **(Invited speaker)**
- 55) Garcia, T.S., K. Dugger, J. Johnson, M. Rochelle, and **A.J. Kroll**. 2012. Estimating occupancy probabilities for the Oregon Slender Salamander (*Batrachoseps wrighti*) in the western Cascade mountain range. Annual Meeting, Society of Northwest Vertebrate Biologists (20-23 March), Hood River, OR.
- 54) Lund, E., A. McIntyre, J. Jones, M. Hayes, and **A.J. Kroll**. 2012. Evaluating a binomial mixture model as an alternative to mark-recapture surveys for estimating detection probability and abundance of cryptic stream breeding amphibians. Annual Meeting, Society of Northwest Vertebrate Biologists (20-23 March), Hood River, OR.
- 53) **Kroll, A.J.**, J. Jones, J. Giovanini, S. Duke, T. Ellis, and M. Betts. 2012. Response of avian species richness to forest management practices in early seral tree plantations. Annual Meeting, Oregon Chapter of The Wildlife Society (8-10 February), Salishan, OR.
- 52) Garcia, T., K. Dugger, J. Johnson, M. Rochelle, and **A.J. Kroll**. 2012. Estimated occupancy rates for the Oregon Slender Salamander (*Batrachoseps wrighti*) in the western Cascade Mountain Range. Annual Meeting, Oregon Chapter of The Wildlife Society (8-10 February), Salishan, OR.
- 51) Hane, M., **A.J. Kroll**, J. Johnson, and M. Rochelle. 2012. Experimental effects of structural enrichment on avian nest survival in a managed forest landscape. Annual Meeting, Oregon Chapter of The Wildlife Society (8-10 February), Salishan, OR.
- 50) Verschuyf, J., M. Betts, **A.J. Kroll**, and T. Stokely. 2011. A manipulative study of the effects of forest herbicide use on biodiversity and ecosystem processes. NCASI West Coast Regional Meeting (21-23 September), Vancouver, WA. **(Invited speaker)**
- 49) **Kroll, A.J.**, J. Giovanini, J. Jones, E. Arnett, and B. Altman. 2011. Cumulative effects of natural and anthropogenic stressors on avian populations. 96th Annual Meeting of the Ecological Society of America (7-12 August), Austin, TX.
- 48) Jones, J., **A.J. Kroll**, J. Giovanini, S. Duke, and M.G. Betts. 2011. Estimating thresholds in occupancy when species detection is imperfect. 96th Annual Meeting of the Ecological Society of America (7-12 August), Austin, TX.
- 47) **Kroll A.J.**, M. Hane, J. Johnson, and M. Rochelle. 2011. Created snags and snag management on industrial forests. Wildlife in Managed Forests Symposium, Oregon/Washington State Society of American Foresters Annual Conference (11-13 May), Portland, OR. **(Invited speaker)**

- 46) Garcia, T.S., K. Dugger, J. Johnson, M. Rochelle, and **A.J. Kroll**. 2011. Estimating occupancy and population size for the Oregon Slender Salamander (*Batrachoseps wrighti*) in the western Cascade mountain range. Annual Meeting, Washington Chapter of The Wildlife Society and Society of Northwest Vertebrate Biologists (22-25 March), Gig Harbor, WA.
- 45) **Kroll, A.J.** and S. Farber. 2011. Site occupancy dynamics of Northern Spotted Owls in interior Douglas fir forests, CA, USA, 1995-2009. Annual Meeting, Washington Chapter of The Wildlife Society and Society of Northwest Vertebrate Biologists (22-25 March), Gig Harbor, WA.
- 44) **Kroll A.J.**, M. Hane, J. Johnson, and M. Rochelle. 2011. An experimental evaluation of avian nest survival in created snags. Annual Meeting, Washington Chapter of The Wildlife Society and Society of Northwest Vertebrate Biologists (22-25 March), Gig Harbor, WA.
- 43) McIntyre, A., J. Jones, E. Lund, F.T. Waterstrat, J. Giovanini, S. Duke, M. Hayes, T. Quinn, and **A.J. Kroll**. 2011. Implementing robust designs to estimate detection probabilities for stream-breeding amphibians. Annual Meeting, Washington Chapter of The Wildlife Society and Society of Northwest Vertebrate Biologists (22-25 March), Gig Harbor, WA.
- 42) Farber, S. and **A.J. Kroll**. 2011. Site occupancy dynamics of Northern Spotted Owls in interior Douglas fir forests, CA, USA, 1995-2009. Annual Conference of the Western Section of The Wildlife Society (9-11 February), Riverside, CA.
- 41) **Kroll, A.J.** 2011. Stream-associated amphibian responses to forest management: resolving past, present, and future impacts. Wildlife Science Seminar, School of Forest Resources, University of Washington, Seattle, WA (14 February). **(Invited speaker)**
- 40) Kozma, J. and **A.J. Kroll**. 2011. Nest survival of three sympatric woodpecker species in managed ponderosa pine forests of the eastern Cascade Range, WA. Annual Meeting, Oregon Chapter of The Wildlife Society (8-11 February), Bend, OR.
- 39) **Kroll, A.J.** and S. Farber. 2011. Site occupancy dynamics of Northern Spotted Owls in interior Douglas fir forests, CA, USA, 1995-2009. Annual Meeting, Oregon Chapter of The Wildlife Society (8-11 February), Bend, OR.
- 38) Giovanini, J., J. Jones, **A.J. Kroll**, and E.B. Arnett. 2011. Effects of salvage logging on avian species abundance. Annual Meeting, Oregon Chapter of The Wildlife Society (8-11 February), Bend, OR.
- 37) **Kroll, A.J.**, T.L. Fleming, and L.L. Irwin. 2010. Site occupancy dynamics of Northern Spotted Owls in the eastern Cascades, Washington, 1990-2003. 17th Annual Conference, The Wildlife Society, Snowbird, UT.
- 36) **Kroll, A.J.**, T.L. Fleming, and L.L. Irwin. 2010. Site occupancy dynamics of Northern Spotted Owls in the eastern Cascades, Washington, 1990-2003. NCASI West Coast Regional Meeting (28-30 September), Vancouver, WA. **(Invited speaker)**
- 35) Giovanini, J., J. Jones, **A.J. Kroll**, and E.B. Arnett. 2010. Effects of salvage logging on avian species abundance. NCASI West Coast Regional Meeting (28-30 September), Vancouver, WA. **(Invited speaker)**
- 34) **Kroll, A.J.** 2010. Operational considerations for stream-associated amphibians and cavity-nesting birds. 72nd Annual Oregon Logging Conference (24-26 February), Eugene, OR. **(Invited speaker)**

- 33) **Kroll, A.J.**, T. Fleming, and L.L. Irwin. 2010. Site occupancy dynamics of Northern Spotted Owls in the Eastern Cascades, WA, USA, 1990-2003. Joint Regional Conference, The Society for Ecological Restoration Northwest Chapter and the Washington Chapter of The Wildlife Society (16-19 February), Maryville, WA.
- 32) Kozma, J. and **A.J. Kroll**. 2010. Estimating nest survival for western bluebirds in managed forests. Joint Regional Conference, The Society for Ecological Restoration Northwest Chapter and The Washington Chapter of The Wildlife Society (16-19 February), Maryville, WA.
- 31) Hane, M., J. Johnson, **A.J. Kroll**, and M. Rochelle. 2010. Avian productivity in mechanically created snags on a managed forest. Annual Meeting, Oregon Chapter of The Wildlife Society (11-12 February), Bend, OR.
- 30) **Kroll, A.J.**, J.G. MacCracken, T. McBride, J. Bakke, J. Light, P. Peterson, and J. Bach. 2010. Occupancy probabilities and population sizes of stream-associated amphibians in 3rd order basins in managed forests of Oregon and Washington. Annual Meeting, Oregon Chapter of The Wildlife Society (11-12 February), Bend, OR.
- 29) **Kroll, A.J.** 2009. Stream-associated amphibian responses to forest management: understanding the past and present, managing for the future. Practical Applications of Wildlife Management on Working Forests, workshop sponsored by Oregon Chapters of The Wildlife Society and the Society of American Foresters and the Oregon Forest Resources Institute, Corvallis, OR. **(Invited speaker)**
- 28) Turner, T., S. Duke, B. Fransen, M. Reiter, **A.J. Kroll**, J. Ward, J. Bach, T. Justice, and B. Bilby. 2009. Landslide density and its association with rainfall, forest stand age, and topography, December 2007 storm, Willapa Hills, Southwest Washington. Annual meeting, Geological Society of America, Portland, OR.
- 27) **Kroll, A.J.** 2009. Site occupancy dynamics for a long-lived species, the northern spotted owl (*Strix occidentalis caurina*). Ecology, Evolutionary Biology and Behavior Program seminar speaker, Michigan State University. **(Invited speaker)**
- 26) **Kroll, A.J.** 2009. Wood quality, world markets, and wildlife management: challenges to regional forest management. Department of Fisheries and Wildlife Graduate Student Organization seminar speaker, Michigan State University. **(Invited speaker)**
- 25) **Kroll, A.J.** 2009. Conducting effective peer reviews for manuscript submissions. Peer Review Workshop, 16th Annual Conference, The Wildlife Society, Monterey, CA. **(Invited speaker)**
- 24) **Kroll, A.J.**, J.G. MacCracken, T. McBride, J. Bakke, J. Light, P. Peterson, and J. Bach. 2009. Estimating basin-level occupancy and detection probability parameters for stream-associated amphibians in intensively-managed forests of Oregon and Washington, USA. 16th Annual Conference, The Wildlife Society, Monterey, CA.
- 23) McIntyre, A.P., E.P. Lund, M.P. Hayes, T. Quinn, J. Jones, S.D. Duke, and **A.J. Kroll**. 2009. Estimating individual detection probability and abundance for stream-associated amphibians using multiple visit surveys. Annual Cooperative Monitoring, Evaluation, and Research Science meeting (18 March), Olympia, WA. **(Invited speaker)**
- 22) **Kroll, A.J.**, E.B. Arnett, and R. Altman. 2009. An experimental evaluation of avian nest survival after salvage logging in dry forests of the Oregon Cascades. Annual Meeting of the Washington Chapter of The Wildlife Society and Society of Northwest Vertebrate Biologists (18-20 February), Skamania, WA.

- 21) **Kroll, A.J.** 2009. Sampling design, analytical techniques, and inferential issues associated with studying amphibian responses to forest management. Annual Meeting of the Washington Chapter of The Wildlife Society and Society of Northwest Vertebrate Biologists (18-20 February), Skamania, WA. (**Invited speaker**)
- 20) **Kroll, A.J.** 2008. Inferences about riparian habitats and populations under adaptive forest management. Washington Department of Natural Resources Adaptive Management Symposium (4-5 November), Forks, WA. (**Invited speaker**)
- 19) **Kroll, A.J.**, E.B. Arnett, and S.D. Duke. 2008. Avian nesting and foraging use of created snags in intensively-managed forests, Cottage Grove, OR. Annual Meeting, Washington State Chapter of The Wildlife Society (19-21 March), Spokane, WA.
- 18) **Kroll, A.J.** and J.G. MacCracken. 2008. Intensive forest management and amphibian conservation in the Pacific Northwest: current research and future opportunities. Annual Meeting, Washington State Chapter of the Wildlife Society (19-21 March), Spokane, WA.
- 17) **Kroll, A.J.**, T. McBride, E. Beach, K.L. Risenhoover, B. Kernohan, and J. Light. 2008. Estimating stream occupancy parameters for stream-associated amphibians in commercial forests of Oregon and Washington. Joint Meeting, Partners in Amphibian and Reptile Conservation, Society of Northwest Vertebrate Biologists, and Montana Chapter of the Wildlife Society, Missoula, MT.
- 16) **Kroll, A.J.** and James G. MacCracken. 2008. Intensive forest management and amphibian conservation in the Pacific Northwest: current research and future opportunities. Joint Meeting, Partners in Amphibian and Reptile Conservation, Society of Northwest Vertebrate Biologists, and Montana Chapter of the Wildlife Society, Missoula, MT.
- 15) **Kroll, A.J.**, T. McBride, E. Beach, K.L. Risenhoover, B. Kernohan, and J. Light. 2007. Estimating stream occupancy parameters for stream-associated amphibians in commercial forests of Oregon and Washington. 14th Annual Conference, The Wildlife Society, Tucson, AZ.
- 14) **Kroll, A.J.**, T. McBride, E. Beach, K.L. Risenhoover, B. Kernohan, and J. Light. 2007. Estimating stream occupancy and detection probability parameters for stream-associated amphibians in commercial forests of Oregon and Washington. Joint Annual Meeting, Oregon/Washington State Chapters of The Wildlife Society (11-13 April), Pendleton, OR.
- 13) **Kroll, A.J.** and S.D. Duke. 2006. Modeling habitat occupancy of orange-crowned warblers in managed forests in Oregon and Washington. 13th Annual Conference, The Wildlife Society, Anchorage, AK.
- 12) **Kroll, A.J.** 2006. Wildlife research needs in commercial forests. Society of Northwestern Vertebrate Biologists/Washington Chapter of The Wildlife Society (27 March-1 April), Olympia, WA.
- 11) **Kroll, A.J.** and S.D. Duke. 2006. Modeling habitat occupancy of orange-crowned warblers in managed forests. Annual Meeting, Oregon Chapter of The Wildlife Society, Agate Beach, OR.
- 10) **Kroll, A.J.** and J.B. Haufler. 2005. Habitat quality and breeding density: a case study with dusky flycatchers. 12th Annual Conference, The Wildlife Society, Madison, WI.
- 9) **Kroll, A.J.** and J.B. Haufler. 2005. Modeling avian habitat selection at multiple spatial scales. 90th Annual Meeting of the Ecological Society of America, Montreal, Canada.
- 8) Steinbach, M.S. and **A.J. Kroll**. 2004. Maintaining Leopold's Land Ethic as a vital element in wildlife biology curricula. 11th Annual Conference, The Wildlife Society, Calgary, Alberta.

- 7) Boykin, K.G, J. Bak, **A.J. Kroll**, M. Riviuccio, R. Deitner, B.C. Thompson, and M.C. Andersen. 2002. Application and assessment of species at risk conservation approaches at Fort Bliss Military Reservation and White Sands Missile Range, New Mexico and Texas. 87th Annual Meeting of the Ecological Society of America, Tucson, AZ.
- 6) Kernohan, B. J., J. B. Haufler, G. J. Roloff, and **A. J. Kroll**. 2002. Development and testing of habitat-based viability assessments within a coarse-filter framework. Northwest Section and Washington Chapter of The Wildlife Society Annual Meeting (17-19 April), Spokane, WA.
- 5) Boykin, K.G., J. Bak, **A.J. Kroll**, M. Riviuccio, R. Deitner, B.C. Thompson, and M.C. Andersen. 2001. Application and assessment of Species At Risk conservation approaches at Fort Bliss Military Reservation and White Sands Missile Range, New Mexico and Texas. 8th Annual Conference, The Wildlife Society, Reno, NV.
- 4) Boykin, K.G., J. Bak, **A.J. Kroll**, M. Riviuccio, R. Deitner, B. C. Thompson, and M.C. Andersen. 2001. Application and assessment of species at risk conservation approaches at Fort Bliss Military Reservation and White Sands Missile Range, New Mexico and Texas. 34th Joint Annual Meeting of the Arizona and New Mexico Chapters of The Wildlife Society and the Arizona/New Mexico Chapter of the American Fisheries Society, Gallup, NM.
- 3) **Kroll, A.J.** 2000. Ecological characteristics of the genus *Ashmunella* (Gastropoda: Pulmonata: Polygyridae) of White Sands Missile Range (NM) and Fort Bliss (NM and TX). 66th Annual Meeting, American Malacological Union, San Francisco, CA.
- 2) **Kroll, A.J.** 2000. GIS modeling and the conservation of the genus *Ashmunella* (Gastropoda: Pulmonata: Polygyridae) of White Sands Missile Range (NM) and Fort Bliss (NM and TX). 47th Annual Meeting, Southwestern Association of Naturalists, Denton, TX.
- 1) **Kroll, A.J.**, K. Boykin, D. Daniel, M. Andersen and B. Thompson. 2000. Comparative ecology and conservation of the genus *Ashmunella* (Gastropoda: Pulmonata: Polygyridae) of White Sands Missile Range (NM) and Fort Bliss (NM and TX). Annual Meeting, Arizona and New Mexico State Chapters of the Wildlife Society, Sierra Vista, AZ.

PROFESSIONAL REPORTS

- 15) **Kroll, A.J.**, D. Andersen, R. Baydack, J. MacDonald, L. Moore, A. Rogers, and F.R. Thompson, III. 2014. The future of The Wildlife Society's publications. Report for The Wildlife Society Governing Council. 28 pp.
- 14) T.R. Turner, S. Duke, B. Fransen, M. Reiter, **A.J. Kroll**, J. Ward, J. Bach, T. Justice, and R.E. Bilby. 2009. Landslide density and its association with rainfall, forest stand age, and topography, December 2007 storm, Willapa Hills, southwestern Washington. Report for Cooperative Monitoring, Research, and Evaluation Committee, Washington Department of Natural Resources. 53 pp.
- 13) **Kroll, A.J.** and J.B. Haufler. 2004. Population Viability at Landscape Scales: developing and testing of habitat-based methodologies. Final report for Boise Cascade Corporation. 136 pp.
- 12) **Kroll, A.J.** and J.B. Haufler. 2003. Population Viability at Landscape Scales: developing and testing of habitat-based methodologies. Annual report for Boise Cascade Corporation. 24 pp.
- 11) **Kroll, A.J.** and J.B. Haufler. 2002. Population Viability at Landscape Scales: developing and testing of habitat-based methodologies. Annual report for Boise Cascade Corporation. 40 pp.

- 10) **Kroll, A.J.** and J.B. Haufler. 2001. Population Viability at Landscape Scales: developing and testing of habitat-based methodologies. Annual report for Boise Cascade Corporation. 29 pp.
- 9) Boykin, K.G., J. Bak, **A.J. Kroll**, M. Riveccio, R.A. Deitner, B.C. Thompson and M.C. Andersen. 2001. Application and Assessment of Species at Risk. Conservation Approaches at Fort Bliss and White Sands Missile Range, New Mexico and Texas. Research Completion Report. 176 pp.
- 8) **Kroll, A.J.** and R. Cole. 2000. A review of quantitative models used in assessing wildlife habitat and ecosystem function. Internal report, U.S. Army Corps of Engineers, Waterways Experimental Station, Vicksburg, MS.
- 7) **Kroll, A.J.** and J. Bak. 1999. A Survey of Endangered Flora and Fauna at the Rhino Solid Waste Facility, Otero County, New Mexico. Report for Rhino Environmental Services, Albuquerque, NM. 24 pp.
- 6) Barry, D. and **A.J. Kroll**. 1999. A Restoration Proposal for the Dierkson Place, Elk City, OK. Report for the Mennen Foundation, Sacramento, CA. 138 pp.
- 5) Barry, D. and **A.J. Kroll**. 1997. A phytosociological analysis of the Deep Bottom, a bottomland hardwood forest in Denton, TX. Report for the City of Denton and the U.S. Army Corp of Engineers. 78 pp.
- 4) Barry, D. and **A.J. Kroll**. 1997. Parkhill Prairie: natural history and management plan. Report for the Collin County Open Space Program, Collin County, TX.
- 3) Hunter, B., D. Barry, and **A.J. Kroll**. 1997. Lewisville Lake Wildlife Restoration Area cover types. Maps and GIS database. Report for the U.S. Army Corps of Engineers, Dallas, TX.
- 2) Chambers, N., D. Barry, and **A.J. Kroll**. 1995. Northern Goshawk (*Accipiter gentilis*) and Flammulated Owl (*Otus flammeolus*) surveys and ecological context, South Elk Ridge, UT. Report for the Manti-La Sal National Forest, U.S. Forest Service, and Round River Conservation Studies.
- 1) **Kroll, A.J.** 1995. A community profile of South Fork, Colorado. Report for Round River Conservation Studies and the San Juan/Rio Grande National Forest, U.S. Forest Service.

BOOK REVIEWS

Kroll, A.J. 2009. A Primer on Natural Resource Science by Fred Guthery. *Journal of Wildlife Management* 73: 167-168.

Kroll, A.J. 1999. Texas Land Ethics. *Wild Earth* 9(1): 58.

PODCASTS

Kroll, A.J. 2010. Site occupancy dynamics of Northern Spotted Owls, eastern Cascades, WA, 1990-2003. NCASI PC 157. <http://www.ncasi.org/podcasts/recent.aspx>

Kroll, A.J. 2010. Effects of salvage logging on species abundance. NCASI PC 166. <http://www.ncasi.org/podcasts/recent.aspx>

SYMPOSIA

Kroll, A.J., T. Garcia, and M. Hayes, organizers. 2014. Development and Implementation of a Monitoring Cooperative for Terrestrial Amphibians. Joint Annual Meeting of the Society of Northwest Vertebrate Biologists and the Washington Chapter of The Wildlife Society (4-7 February), Pasco, WA.

Kroll, A.J., organizer. 2009. Stream-associated amphibians and west-side forest management in the Pacific Northwest. Full day symposium, Annual Meeting of the Washington Chapter of The Wildlife Society and Society of Northwest Vertebrate Biologists (18-20 February), Skamania, WA.

Kroll, A.J. and D. Miller, organizers. 2007. The role of intensively-managed forests in wildlife and habitat conservation. Half-day symposium, 14th Annual Conference, The Wildlife Society, Tucson, AZ.

POSTERS

- 7) Hane, M., **A.J. Kroll**, J. Johnson, and M. Rochelle. 2013. Use of created snags by cavity-nesting birds. Joint Annual Meeting of the Oregon and Washington Chapters of The Wildlife Society and Society of Northwest Vertebrate Biologists (13-15 February), Skamania, WA.
- 6) Kozma, J. and **A.J. Kroll**. 2012. Nestling provisioning by Hairy and White-headed woodpeckers in managed ponderosa pine forests. 19th Annual Conference, The Wildlife Society, Portland, OR.
- 5) Giovanini, J., **A.J. Kroll**, J. Jones, and E.B. Arnett. 2012. Avian community responses to environmental and anthropogenic disturbances. 19th Annual Conference, The Wildlife Society, Portland, OR.
- 4) **Kroll, A.J.**, S. Duke, M. Hane, J. Johnson, M. Rochelle, M.G. Betts, and E.B. Arnett. 2012. Landscape composition influences avian colonization of experimentally created snags. 19th Annual Conference, The Wildlife Society, Portland, OR.
- 3) Kozma, J. and **A.J. Kroll**. 2010. Nest survival of three woodpecker species in managed ponderosa pine forests of the eastern Cascade Range, Washington. 17th Annual Conference, The Wildlife Society, Snowbird, UT.
- 2) Lund, E., A. McIntyre, M. Hayes, T. Quinn, J. Jones, and **A.J. Kroll**. 2009. Non-intrusive sampling and analysis to estimate detection probability and abundance for stream-associated amphibians using multiple visit surveys. Joint Annual Meeting of the Washington Chapter of the Wildlife Society and Society of Northwest Vertebrate Biologists (18-20 February), Skamania, WA.
- 1) **Kroll, A.J.**, J.B. Haufler, and J. Graham. 2003. Variation in hatching success of Dusky Flycatchers in managed forests. 10th Annual Conference, The Wildlife Society, Burlington, VT.

TEACHING EXPERIENCE

Co-Instructor, Wildlife in Agricultural Ecosystems, FW 435/535, Department of Fisheries and Wildlife, Oregon State University, Corvallis, OR, Winter 2013; Winter 2014.

Instructor, WBIO 495, Aldo Leopold and the Land Ethic, Wildlife Biology Program, University of Montana, Fall 2004. Developed and taught a 3 hour course on Aldo Leopold, the development of a land ethic, and conservation practice in a democratic society.

Teaching Assistant, BIOL 102, Principles of Biology, Department of Biological Science, University of Montana, 2002 and 2003.

Instructor, Ethics and Conservation Planning, Conservation Across Boundaries, Boone and Crockett Club, June 2004, 2006, and 2007.

PROFESSIONAL SERVICE

Reviewer for *American Midland Naturalist*, *Amphibia-Reptilia*, *The Auk*, *Biological Conservation*, *Canadian Journal of Forest Research*, *The Condor*, *Ecography*, *Ecological Indicators*, *Ecosystems*, *Environmental Monitoring and Assessment*, *Forest Ecology and Management*, *Forest Science*, French Foundation for Research on Biodiversity (France's counterpart to NCEAS), *Journal of Forestry*, *Journal of Herpetology*, *Journal of Wildlife Management*, National Science Foundation, *PLOS ONE*, *Proceedings of the Southeastern Association of Fish and Wildlife Agencies (SEAFWA)*, *Southern Journal of Applied Forestry*, United States Geological Survey, *Western Journal of Applied Forestry*, *Wilson Journal of Ornithology*.

Academic Editor, *PLOS ONE*, 2015-current.

Associate Editor, *The Journal of Wildlife Management*, 2007-2015.

Courtesy Faculty, Department of Fisheries and Wildlife, Michigan State University, East Lansing, MI.

Courtesy Faculty, Department of Forest Ecosystems and Society, Oregon State University, Corvallis, OR.

Chair, Future of The Wildlife Society's Journals Committee; special assignment from The Wildlife Society Governing Council; November 2013-October 2014.

Technical Reviewer, Puget Sound Pressure Assessment-A Sound-wide, Multi-Scale Evaluation of the Key Vulnerabilities of the Puget Sound Ecosystem, October 2013.

Instructor, Behind the Scenes of Scientific Publication and Critical Review Workshop, 20th Annual Conference (5 October 2013), The Wildlife Society, Milwaukee, WI.

Organizer and Instructor, Preparation of Technical Documents for Wildlife Managers and Researchers workshop, Joint Annual Meeting of the Oregon and Washington Chapters of The Wildlife Society and Society of Northwest Vertebrate Biologists (13-15 February 2013), Skamania, WA.

Instructor, Behind the Scenes of Scientific Publication and Critical Review Workshop, 19th Annual Conference (13 October 2012), The Wildlife Society, Portland, OR.

Invited Reviewer, *Occupancy Estimation and Modeling: Inferring Patterns and Dynamics of Species Occurrence*, 2nd edition, MacKenzie et al., Academic Press, Elsevier, Amsterdam, 2012.

Invited Participant, Natural Resource Education and Employment Workshop, sponsored by Council of Natural Resource Societies (19-21 September 2011), Denver, CO.

Invited Participant, Adaptive Monitoring of Structural Enhancement Projects in Westside Forests, co-sponsored by U.S. Fish and Wildlife Service and Port Blakely Tree Farms (28-29 September), 2011, Tumwater, WA.

Invited Reviewer, Proposed Revised Critical Habitat Rule for the Northern Spotted Owl, United States Fish and Wildlife Service (USFWS), March 2012.

Technical Consultant, USFWS Northern Spotted Owl Survey Protocol Working Group, 2008-2010.

Reviewer, Wildlife Rehabilitation Grants Program, Washington Department of Fish and Wildlife, 2008, 2009, and 2011.

President, Washington Chapter of The Wildlife Society, 2007-2008 and 2008-2009.

REFERENCES

Dr. Gary J. Roloff, Associate Professor, Department of Fisheries and Wildlife, Michigan State University, East Lansing, MI 48824. 517-432-5236. roloff@anr.msu.edu

Dr. Tiffany Garcia, Associate Professor, Department of Fisheries and Wildlife, Oregon State University, Corvallis, OR 97331-3803. 541-737-2164. tiffany.garcia@oregonstate.edu

Dr. Marc Hayes, Senior Scientist, Washington Department of Fish and Wildlife, Olympia, WA 98501. 360-902-2567. marc.hayes@dfw.wa.gov

Dr. Katie Dugger, Assistant Unit Leader, Oregon Cooperative Fish and Wildlife Research Unit, Oregon State University, Corvallis, OR 97331-3803. 541-737-2473. katie.dugger@oregonstate.edu

Mike Rochelle, Western Wildlife Program Manager, Weyerhaeuser, 34904 Brewster Road, Lebanon, OR 97355. 541-979-0755. mike.rochelle@weyerhaeuser.com

Dr. Blake Murden, Director, Wildlife & Fisheries, Port Blakely Tree Farms, LP, 8133 River Drive SE, Tumwater, WA 98501. 360.596.9437. bmurden@portblakely.com

Dr. Daniel Pletscher, Director of Development, University Initiatives, University of Montana, PO Box 7159, Missoula, MT 59807-7159. 406-243-2581. dan.pletscher@mso.umt.edu

Dr. Matthew Betts, Associate Professor, Department of Forest Ecosystems and Society, Oregon State University, Corvallis, OR 97331. 253-737-3841. matthew.betts@oregonstate.edu

Dr. Jonathan Haufler, Executive Director, Ecosystem Management Research Institute, 210 Borderlands, PO Box 717, Seeley Lake, MT 59868. 406-677-0247. jon_haufler@emri.org

Dr. Jack Ward Thomas, Emeritus Professor, College of Forestry and Conservation, University of Montana, Missoula, MT 59812. 406-273-3040. jackwthomas@bresnan.net