

RODNEY B. SIEGEL

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Education

Ph.D. 1998 Ecology. University of California at Davis
B.A. 1991 Environmental Studies and Political Science (double major). *Cum laude*. Yale College,
New Haven, CT

Professional Appointments

2008 – present Executive Director, The Institute for Bird Populations, Point Reyes Station, CA
1998 – 2008 Research Scientist, The Institute for Bird Populations, Point Reyes Station, CA
1997 – 1998 Adjunct Professor, Napa Valley College, Napa, CA

Professional Awards and Recognition

Recipient of the 2014 Wings Across the Americas Research Partnership Award from the US Forest Service for work as Principal Investigator on the project “*Monitoring and Conservation of Black-Backed Woodpecker in Burned Forests*”.

Peer-reviewed Journal Articles

69. Cole, J. S., N. L. Michel, S. A. Emerson, and **R. B. Siegel**. *In press*. Automated bird sound classifications of long-duration recordings produce occupancy model outputs similar to manually annotated data. *Ornithological Applications*.
68. Loffland, H. L., L. N. Schofield, **R. B. Siegel**, and B. Christman. 2022. Sierra Nevada Willow Flycatcher decline continues but losses abate at two restored meadows. *Western Birds* 53:52-69.
67. Stillman, A. N., T. J. Lorenz, **R. B. Siegel**, R. L. Wilkerson, M. Johnson, and M. W. Tingley. 2021. Conditional natal dispersal provides mechanism for species tracking resource pulses created by fire. *Behavioral Ecology* 2021:1-10.
66. Loverin, J. K., A. N. Stillman, **R. B. Siegel**, R. L. Wilkerson, M. Johnson, and M. W. Tingley. 2021. Nestling provisioning behavior of Black-backed Woodpeckers in post-fire forest. *Journal of Field Ornithology* 2021:12371.
65. Stillman, A. N., T. J. Lorenz, P. C. Fischer, **R. B. Siegel**, R. L. Wilkerson, M. Johnson, and M. W. Tingley. 2021. Juvenile survival of a burned forest specialist in response to variation in fire characteristics. *Journal of Animal Ecology* 90:1317-1327.
64. Blakey, R. V., E. B. Webb, D. C. Kesler, **R. B. Siegel**, D. Corcoran, J. S. Cole, and J. M. Johnson. 2021. Extent, configuration and diversity of burned and forested areas predict bat richness in a fire-maintained forest. *Landscape Ecology*.
63. Blakey, R. V., **R. B. Siegel**, E. B. Webb, C. P. Dillingham, M. Johnson, and D. C. Kesler. 2020. Northern Goshawk (*Accipiter gentilis*) home range, movement and forays revealed by GPS-tracking. *Journal of Raptor Research* 54:388-401.
62. Ray, C., R. M. Rochefort, J. I. Ransom, J.C.B. Nesmith, S. A. Haultain, T. D. Schaming, J. R. Boetsch, M. L. Holmgren, R. L. Wilkerson, and **R. B. Siegel**. 2020. Assessing trends and vulnerabilities in the mutualism between whitebark pine (*Pinus albicaulis*) and Clark’s nutcracker (*Nucifraga columbiana*) in national parks of the Sierra-Cascade region. *PLoS One* 15(10): e0227161.
61. Campos, B. R., R. D. Burnett, H. L. Loffland, and **R. B. Siegel**. 2020. Bird response to hydrologic restoration of montane riparian meadows. *Restoration Ecology* 28:1262-1272.
60. Schofield, L. N., S. A. Eyes, **R. B. Siegel**, and S. L. Stock. 2020. Habitat selection by spotted owls after a megafire in Yosemite National Park. *Forest Ecology and Management* 478:118511.

59. Cole, J. S., **R. B. Siegel**, H. L. Loffland, E. A. Elsey, M.W. Tingley, and M. Johnson. 2020. Plant selection by bumble bees (Hymenoptera: Apidae) in montane riparian habitat of California. *Environmental Entomology* XX:1-10.
58. Blakey, R. V., **R. B. Siegel**, E. B. Webb, C. P. Dillingham, M. Johnson, and D. C. Kesler. *In press*. Multi-scale habitat selection by Northern Goshawks (*Accipiter gentilis*) in a fire-prone forest. *Biological Conservation*.
57. Tingley, M. W., A. N. Stillman, R. L. Wilkerson, S. C. Sawyer, and **R. B. Siegel**. 2020. Black-backed woodpecker occupancy in burned and beetle-killed forests: disturbance agent matters. *Forest Ecology and Management* 455:117694.
56. Cole, J. S., N. L. Michel, **R. B. Siegel**, and N. Somilleda Jr. 2019. Effects of off-highway vehicles on avian abundance and diversity in a designated vehicular recreation area. *Avian Conservation and Ecology* 14(2):9.
55. Stillman, A. N., **R. B. Siegel**, R. L. Wilkerson, M. Johnson, C. A. Howell, and M. W. Tingley. 2019. Nest site selection and nest survival of Black-backed Woodpeckers after wildfire. *The Condor: Ornithological Applications*.
54. Ray, C., D. R. Cluck, R. L. Wilkerson, **R. B. Siegel**, A. M. White, G. L. Tarbill, S. C. Sawyer, and C. A. Howell. 2019. Patterns of woodboring beetle activity following fires and bark beetle outbreaks in montane forests of California. *Fire Ecology* 15:21.
53. White, A., G. Tarbill, R. L. Wilkerson, and **R. B. Siegel**. 2019. Few detections of Black-backed Woodpeckers (*Picoides arcticus*) in extreme wildfires in the Sierra Nevada. *Avian Conservation and Ecology* 14(1):17.
52. Cole, J. S., **R. B. Siegel**, H. L. Loffland, M. W. Tingley, E. Elsey, and M. J. Johnson. 2019. Explaining the birds and the bees: deriving habitat restoration targets from multi-species occupancy models. *Ecosphere* 10(4):e02718.
51. Blakey, R. V., E. B. Webb, D. C. Kesler, **R. B. Siegel**, D. Corcoran Barrios, and J. M. Johnson. 2019. Bats in a changing landscape: linking occupancy and traits of a diverse montane bat community to fire regime. *Ecology and Evolution* 2019;1-14.
50. Ray, C., M. L. Holmgren, R. L. Wilkerson, **R. B. Siegel**, J. R. Boetsch, K. J. Jenkins, and J. I. Ransom. 2019. Trends in landbird density at two national parks in fragmented, mixed-use landscapes of the Pacific Northwest. *Northwestern Naturalist* 100:1-25.
49. **Siegel, R. B.**, S. A. Eyes, M. W. Tingley, J. X. Wu, S. L. Stock, J. R. Medley, R. S. Kalinowski, A. Casas, M. Lima-Baumbach, and A. C. Rich. 2019. Short-term resilience of Great Gray Owls to a megafire in California, USA. *The Condor: Ornithological Applications* 121:1-13.
48. Stillman, A. N., **R. B. Siegel**, R. L. Wilkerson, M. Johnson, and M. W. Tingley. 2019. Age-dependent habitat relationships of a burned forest specialist emphasise the role of pyrodiversity in fire management. *Journal of Applied Ecology* 56:880-890.
47. Saracco, J. F., **R. B. Siegel**, L. Helton, S. Stock, and D. DeSante. 2019. Phenology and productivity in a montane bird assemblage: Trends and responses to elevation and climate variation. *Global Change Biology* 2019:25;985-086.
46. Blakey, R. V., **R. B. Siegel**, E. B. Webb, C. P. Dillingham, R. L. Bauer, M. J. Johnson, and D. C. Kesler. 2019. Space use, forays, and habitat selection in California Spotted Owls (*Strix occidentalis occidentalis*): new insights from high resolution GPS tracking. *Forest Ecology and Management* 432:912-922.
45. Schofield, L. N., H. L. Loffland, **R. B. Siegel**, C. Stermer, and H. A. Mathewson. 2018. Using conspecific broadcast for Willow Flycatcher restoration. *Avian Conservation and Ecology* 13(1):23.
44. Albert, S., K. Ruegg, and **R. B. Siegel**. 2018. Using intrinsic and extrinsic markers to link bird populations across the Americas. *Zeledonia* 22:1.

43. Tingley M.W. A. N. Stillman, R. L. Wilkerson, C. A. Howell, S. C. Sawyer, and **R. B. Siegel**. 2018. Cross-scale occupancy dynamics of a postfire specialist in response to variation across a fire regime. *Journal of Animal Ecology* 2018;00:1–13.
42. **Siegel, R. B.**, P. Pyle, and H. L. Loffland. 2018. Molt sequences in an extralimital Great Gray Owl detected over two winters in northwestern California. *Western Birds* 49:62–73.
41. Ray, C., J. F. Saracco, A. L. Holmgren, R. L. Wilkerson, **R. B. Siegel**, K. J. Jenkins, J. I. Ransom, P. J. Happe, J. R. Boetsch, and M. H. Huff. 2017. Recent stability of resident and migratory landbird populations in National Parks of the Pacific Northwest. *Ecosphere* 8:e01902.
40. Loffland, H. L., J. S. Polasik, M. W. Tingley, E. Elsey, C. Loffland, G. LeBuhn, and **R. B. Siegel**. 2017. Bumble bee use of post-fire chaparral in the central Sierra Nevada. *The Journal of Wildlife Management* 81:1084-1097.
39. Tingley, M. W., V. Ruiz-Gutiérrez, R. L. Wilkerson, C. A. Howell, and **R. B. Siegel**. 2016. Pyrodiversity promotes avian diversity over the decade following forest fire. *Proceedings of the Royal Society B* 283:20161703 (published online).
38. **Siegel, R. B.**, R. Taylor, J. F. Saracco, L. Helton, and S. Stock. 2016. GPS-tracking reveals non-breeding locations and apparent molt migration of a Black-headed Grosbeak. *Journal of Field Ornithology* 87:196-203.
37. Albert, S., D. DeSante, **R. B. Siegel**, D. Kaschube, and J. Saracco. 2016. Monitoring landbirds in national parks: understanding populations, migratory connectivity, and climate change. Pages 11-17 in: S. Weber, editor. Engagement, Education, and Expectations — The Future of Parks and Protected Areas: Proceedings of the 2015 George Wright Society Conference on Parks, Protected Areas, and Cultural Sites. Hancock, Michigan: George Wright Society.
36. Polasik, J. S., J. X. Wu, K. Roberts, and **R. B. Siegel**. 2016. Great Gray Owls nesting in atypical, low-elevation habitat in the Sierra Nevada, California. *Journal of Raptor Research* 50:194-206.
35. Tingley, M. W., R. L. Wilkerson, C. A. Howell, and **R. B. Siegel**. 2016. An integrated occupancy and home-range model to predict abundance of a wide-ranging, territorial vertebrate. *Methods in Ecology and Evolution* 7:508-517.
34. Casas, A., M. Garcia, **R. B. Siegel**, C. Ramirez, A. Koltunov, and S. L. Ustin. 2016. Burned forest characterization at single-tree level with Airborne Laser Scanning for wildlife habitat assessment. *Remote Sensing of Environment* 175:231-241.
33. **Siegel, R. B.**, M. W. Tingley, R. L. Wilkerson, C. A. Howell, M. Johnson, and P. Pyle. 2016. Age structure of Black-backed Woodpecker populations in burned forests. *The Auk: Ornithological Advances* 133:69-78.
32. Wu, J. X., **R. B. Siegel**, H. L. Loffland, M. W. Tingley, S. L. Stock, K. N. Roberts, J. J. Keane, J. R. Medley, R. Bridgman, and C. Stermer. 2015. Diversity of nest sites and nesting habitats used by Great Gray Owls in California. *Journal of Wildlife Management* 79:937-947.
31. Rowan, E. L., **R. B. Siegel**, D. R. Kaschube, and S. Stock. 2014. North American longevity records for nine landbird species monitored at Yosemite National Park’s MAPS stations. *North American Bird Bander* 39:141-147.
30. **Siegel, R. B.**, R. L. Wilkerson, M. W. Tingley, and C. A. Howell. 2014. Roost sites of the Black-backed Woodpecker in burned forest. *Western Birds* 45:296-303.
29. Ruegg, K., E. Anderson, K. Paxton, V. Apkenas, S. Lao, **R. B. Siegel**, D. F. DeSante, F. Moore, and T. Smith. 2014. Mapping migration in a songbird using high-resolution genetic markers. *Molecular Ecology* 23:5726-5739. doi:10.1111/mec.12977
28. Tingley, M. W., R. L. Wilkerson, M. L. Bond, C. A. Howell, and **R. B. Siegel**. 2014. Variation in home range

- size of Black-backed Woodpeckers (*Picoides arcticus*). *The Condor: Ornithological Applications* 116:325–340. DOI: 10.1650/CONDOR-13-140.1
27. **Siegel, R. B.**, P. Pyle, J. H. Thorne, A. J. Holguin, C. A. Howell, S. Stock, and M. Tingley. 2014. Vulnerability of birds to climate change in California's Sierra Nevada. *Avian Conservation and Ecology* 9(1):7.
26. Rundel, C., M. Wunder, A. Alvarado, K. Ruegg, R. Harrigan, A. Schuh, J. Kelly, **R. B. Siegel**, D. F. DeSante, T. Smith, and J. Novembre. 2013. Novel statistical methods for integrating genetic and stable isotopic data to infer individual-level migratory connectivity. *Molecular Ecology* 22:4163–4176. doi: 10.1111/mec.12393
25. Bond, M. L., D. E. Lee, **R. B. Siegel**, and M. W. Tingley. 2013. Diet and home range size of California Spotted Owls in a burned forest. *Western Birds* 44:114-126.
24. Bond, M. L., **R. B. Siegel**, R. L. Hutto, V. Saab, and S. Shunk. 2012. A new forest fire paradigm: the need for high-severity fires. *The Wildlife Professional* 6:46-49.
23. Lee, D. L., M. L. Bond, and **R. B. Siegel**. 2012. Dynamics of breeding-season site occupancy of the California Spotted Owl in burned forests. *The Condor* 114:792-802.
22. **Siegel, R. B.**, M. L. Bond, R. L. Wilkerson, B. C. Barr, C. Gardiner, and J. M. Kinsella. 2012. Lethal *Procyrnea* nematode infection in a Black-backed Woodpecker (*Picoides arcticus*) from California. *Journal of Zoo and Wildlife Medicine* 43:214-217.
21. **Siegel, R. B.**, R. L. Wilkerson, R. C. Kuntz II, J. F. Saracco, and A. L. Holmgren. 2012. Elevation ranges of birds at Mount Rainier National Park, North Cascades National Park Complex, and Olympic National Park. *Northwestern Naturalist* 93:23-39 doi: 10.1898/11-08.1
20. Wilkerson, R. L., and **R. B. Siegel**. 2011. Distribution and abundance of Western Burrowing Owls (*Athene cunicularia hypugaea*) in southeastern California. *The Southwestern Naturalist* 56:378-384.
19. **Siegel, R. B.**, R. L. Wilkerson, J. F. Saracco, and Z. L. Steel. 2011. Elevation ranges of birds on the Sierra Nevada's west slope. *Western Birds* 42:2-26.
18. Saracco, J. F., **R. B. Siegel**, and R. L. Wilkerson. 2011. Occupancy modeling of Black-backed Woodpeckers on burned Sierra Nevada forests. *Ecosphere* 2:art31. [doi:10.1890/ES10-00132.1]
17. Wilkerson, R. L., and **R. B. Siegel**. 2010. Assessing changes in the distribution and abundance of Burrowing Owls in California, 1993-2007. *Bird Populations* 10:1-36.
16. Bond, M. L., D. E. Lee, and **R. B. Siegel**. 2010. Winter movements by California Spotted Owls in a burned landscape. *Western Birds* 41:174-180.
15. Bond, M. L., D. E. Lee, **R. B. Siegel**, and J. P. Ward. 2009. Habitat use and selection by California Spotted Owls in a postfire landscape. *Journal of Wildlife Management* 73:1116-1124.
14. **Siegel, R. B.**, R. L. Wilkerson, and D. F. DeSante. 2008. Extirpation of the Willow Flycatcher from Yosemite National Park. *Western Birds* 39:8-21.
13. DeSante, D. F., T. S. Sillett, **R. B. Siegel**, J. F. Saracco, C. A. Romo de Vivar Alvarez, S. Morales, A. Cerezo, D. R. Kaschube, M. Grosselet, and B. Milá. 2005. MoSI (Monitoreo de Supervivencia Invernal): Assessing habitat-specific overwintering survival of neotropical migratory landbirds. In *Bird Conservation Implementation and Integration in the Americas: Proceedings of the Third International Partners in Flight Conference*, Asilomar, CA, March 2002; Gen. Tech. Rep. PSW-GTR-191, Albany, CA: Pacific Southwest Research Station, Forest Service, US Department of Agriculture.
12. Pyle, P., A. McAndrews, P. Veléz, R. L. Wilkerson, **R. B. Siegel**, and D. F. DeSante. 2004. Molt patterns, and age and sex determination of selected southeastern Cuban landbirds. *Journal of Field Ornithology* 75:136–145.
11. **Siegel, R. B.**, R. L. Wilkerson, and D. F. DeSante. 2003. A rapid, inexpensive field protocol for assessing the importance of montane meadows to breeding and post-breeding birds, and a test of the late season protocol. In

California Riparian Systems: Processes and Floodplains Management, Ecology, and Restoration (P. M. Faber, ed.). 2001 Riparian Habitat and Floodplains Conference Proceedings, Riparian Habitat Joint Venture, Sacramento, CA.

10. **Siegel, R. B.**, and D. F. DeSante. 2003. Bird communities in thinned versus unthinned stands of Sierran mixed conifer forest. *Wilson Bulletin* 115:155-165.

9. Nott, M. P., D. F. DeSante, **R. B. Siegel**, and P. Pyle. 2002. Influences of the El Niño/Southern Oscillation and the North Atlantic Oscillation on avian productivity in forests of the Pacific Northwest of North America. *Global Ecology and Biogeography* 11:333-342.

8. **Siegel, R. B.**, D. F. DeSante, and M. P. Nott. 2001. Using point counts to establish conservation priorities: how many visits are optimal? *Journal of Field Ornithology* 72:228-235.

7. Stephens, C., **R. B. Siegel** and W. W. Weathers. 2001. Thermal conductance and basal metabolism of the Orange-cheeked Waxbill (*Estrilda melpoda*). *Ostrich* 72:121-123.

6. **Siegel, R. B.**, W. W. Weathers and S. R. Beissinger. 1999. Hatching asynchrony reduces the duration, not the magnitude, of peak load in breeding green-rumped parrotlets (*Forpus passerinus*). *Behavioral Ecology and Sociobiology* 45:444-450.

5. **Siegel, R. B.**, W. W. Weathers and S. R. Beissinger. 1999. Assessing parental effort in a Neotropical parrot: a comparison of methods. *Animal Behaviour* 57:73-79.

4. Weathers, W. W., C. R. Olson, **R. B. Siegel**, C. L. Davidson, and T. R. Famula. 1999. Winter and breeding energetics of nonmigratory White-crowned Sparrows. *The Auk* 116:842-847.

3. Bosque, C., M. A. Pacheco, and **R. B. Siegel**. 1999. Maintenance energy costs of two partially folivorous tropical passerines. *The Auk* 116:246-252.

2. **Siegel, R. B.**, and M. V. Centeno. 1996. Neotropical migrants in marginal habitats on a Guatemalan cattle ranch. *Wilson Bulletin* 108:166-170.

1. Weathers, W. W., and **R. B. Siegel**. 1995. Body size establishes the scaling of avian postnatal metabolic rate: an interspecific analysis using phylogenetically independent contrasts. *Ibis* 137:532-542.

Peer-reviewed Technical Reports, Protocols, and Conservation Plans

Schofield, L. N., H. L. Loffland, **R. B. Siegel**, T. Mark, and C. Stermer. 2020. A Conservation Strategy for Willow Flycatcher (*Empidonax traillii*) in California. Interim version 1.0. The Institute for Bird Populations. Petaluma, California.

Ray, C.; Cluck, D. R.; Wilkerson, R. L.; **Siegel, Rodney B.**; White, A. M.; Tarbill, G. L.; Sawyer, S. C.; Howell, C. A. 2020. Chapter 9 - Woodboring beetle colonization of conifers killed by fire and bark beetles: implications for forest restoration and black-backed woodpecker conservation. In: Potter, Kevin M.; Conkling, Barbara L., eds. Forest health monitoring: national status, trends, and analysis 2019. Gen. Tech. Rep. SRS-250. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station: 179-186.

Holmgren, A. L., R. L. Wilkerson, **R. B. Siegel**, and J. I. Ransom. 2020. North Coast and Cascades Network landbird monitoring: report for the 2019 field season. Natural Resource Data Series NPS/NCCN/NRDS—2020/1284. National Park Service, Fort Collins, Colorado.

Cole, J., N. Michel, **R. Siegel**, and C. Wilsey. 2019. Avian indicators of habitat conditions and disturbance effects to natural resources in state vehicular recreation areas of California. National Audubon Society, New York, NY.

Holmgren, A. L., R. L. Wilkerson, **R. B. Siegel**, and J. I. Ransom. 2019. North Coast and Cascades Network landbird monitoring: report for the 2018 field season. Natural Resource Data Series NPS/NCCN/NRDS—2019/1224. National Park Service, Fort Collins, Colorado.

Ray, C., J.F. Saracco, M.L. Holmgren, R.L. Wilkerson, **R.B. Siegel**, K.J. Jenkins, J.I. Ransom, P.J. Happe, J.R. Boetsch, and M.H. Huff. 2018. Landbird population trends in mountain and historical parks of the North Coast and Cascades Network: 2005–2016 synthesis. Natural Resource Report NPS/NCCN/NRR—2018/1673. National Park Service, Fort Collins, Colorado.

Siegel, R.B., M.L. Bond, C.A. Howell, S.C. Sawyer, and, D.L. Craig, editors. 2018. A Conservation Strategy for the Black-backed Woodpecker (*Picoides arcticus*) in California. Version 2.0. The Institute for Bird Populations and California Partners in Flight. Point Reyes Station, California.

Holmgren, A.L., R.L. Wilkerson, **R.B. Siegel**, and J.I. Ransom. 2017. North Coast and Cascades Network landbird monitoring: report for the 2016 field season. Natural Resource Report NPS/NCCN/NRR—2017/1495. National Park Service, Fort Collins, Colorado.

Holmgren, A. L., R. L. Wilkerson, **R. B. Siegel**, and J. I. Ransom. 2016. North Coast and Cascades Network landbird monitoring: Report for the 2015 field season. Natural Resource Report NPS/NCCN/NRR—2016/1241. National Park Service, Fort Collins, Colorado.

Wu, J.X., H.L. Loffland, **R.B. Siegel**, C. Stermer. 2016. A Conservation Strategy for Great Gray Owls (*Strix nebulosa*) in California. Interim version 1.0. The Institute for Bird Populations and California Partners in Flight. Point Reyes Station, California.

Holmgren, A. L., R. L. Wilkerson, **R. B. Siegel**, and P. J. Happe. 2015. North Coast and Cascades Network landbird monitoring: Report for the 2014 field season. Natural Resource Data Series NPS/NCCN/NRDS—2015/502. National Park Service, Fort Collins, Colorado.

Saracco, J. F., A. L. Holmgren, R. L. Wilkerson, **R. B. Siegel**, R. C. Kuntz II, K. J. Jenkins, P. J. Happe, J. R. Boetsch, and M. H. Huff. 2014. Landbird trends in national parks of the North Coast and Cascades Network, 2005-12. U.S. Geological Survey Open-File Report 20141202, <http://dx.doi.org/10.3133/ofr20141202>.

Holmgren, A. L., R. L. Wilkerson, **R. B. Siegel**, and P. J. Happe. 2014. North Coast and Cascades Network landbird monitoring: Report for the 2013 field season. Natural Resource Data Series NPS/NCCN/NRDS—2014/691. National Park Service, Fort Collins, Colorado.

Holmgren, A. L., R. L. Wilkerson, **R. B. Siegel**, and R. C. Kuntz II. 2013. North Coast Cascades Network landbird monitoring report for the 2012 field season. Natural Resource Data Series NPS/NCCN/NRDS—20113/523. National Park Service, Fort Collins, Colorado.

Bond, M. L., **R. B. Siegel**, and D. Craig, editors. 2012. A conservation strategy for Black-backed Woodpecker (*Picoides arcticus*) in California. Version 1.0. The Institute for Bird Populations and California Partners in Flight. Point Reyes Station, California.

Siegel R. B., R. C. Kuntz II, R. L. Wilkerson, K. D. Kuhlman, and M. D. Toshack. 2012. Surveying for spotted owls in the Upper Skagit watershed of North Cascades National Park Complex, 2009-2010. Natural Resource Technical Report. NPS/NOCA/NRTR—2012/597. National Park Service. Fort Collins, Colorado. Published Report-2186188.

Holmgren, A. L., R. L. Wilkerson, and **R. B. Siegel**. 2012. Sierra Nevada Network bird monitoring: 2011 annual report. Natural Resource Data Series NPS/SIEN/NRDS—2012/362. National Park Service, Fort Collins, Colorado.

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Steel, Z. L., M. L. Bond, **R. B. Siegel**, and P. Pyle. 2012. Avifauna of Sierra Nevada Network parks: Assessing distribution, abundance, stressors, and conservation opportunities for 145 bird species. Natural Resource Report NPS/SIEN/NRR—2012/506. National Park Service, Fort Collins, Colorado.

Steel, Z. L., M. L. Bond, **R. B. Siegel**, and P. Pyle. 2012. Avifauna of Sierra Nevada Network parks: Assessing distribution, abundance, stressors, and conservation opportunities for 145 bird species (appendix A – species accounts). Natural Resource Report NPS/SIEN/NRR—2012/506A. National Park Service, Fort Collins, Colorado.

Holmgren, A. L., R. L. Wilkerson, **R. B. Siegel**, and R. C. Kuntz II. 2011. North Coast Cascades Network landbird monitoring report for the 2010 field season. Natural Resource Report NPS/NCCN/NRTR—xxx/xxx.

Loffland, H. L., **R. B. Siegel**, and R. L. Wilkerson. 2011. Avian Monitoring Protocol for Sierra Nevada Meadows: A tool for assessing the effects of meadow restoration on birds. Version 1.0. The Institute for Bird Populations, Point Reyes Station, California.

Siegel, R. B., R. L. Wilkerson, and M. Goldin Rose. 2010. Bird monitoring protocol for national parks in the Sierra Nevada Network. Natural Resource Report NPS/NIEN/NRR--2010/231. National Park Service, Fort Collins, Colorado.

Wilkerson, R. L., **R. B. Siegel**, and R. C. Kuntz II. 2010. North Coast Cascades Network landbird monitoring report for the 2009 field season. Natural Resource Report NPS/NCCN/NRTR—2010/392.

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Siegel, R. B., R. L. Wilkerson, and S. Hall. 2009. Landbird inventory for Olympic National Park (2002-2003). Natural Resource Technical Report NPS/NCCN/NRTR2009/159. National Park Service, Fort Collins, Colorado.

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