

## **MATTHEW D. SCHLESINGER**

New York Natural Heritage Program  
State University of New York, College of Environmental Science and Forestry  
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### **Education**

University of California, Davis, Ecology, Ph.D., 2007  
University of Michigan, Natural Resources and Environment, M.S., 1995  
Wesleyan University, Psychology, B.A., 1992.

### **Employment and appointments**

Adjunct Assistant Professor, SUNY College of Environmental Science and Forestry, Syracuse, New York, 2013 to present.  
Chief Zoologist, New York Natural Heritage Program, March 2007 to present, Albany, New York.  
Wildlife Biologist, USDA Forest Service, Lake Tahoe Basin Management Unit, Pacific Southwest Region, and Sierra Nevada Research Center, April 1997 to March 2007, South Lake Tahoe and Davis, California.  
Graduate Student Researcher and Teaching Assistant, University of California, Davis, 2003 to 2007.

### **Active projects as principal investigator**

“Empire State Native Pollinator Survey,” New York State Department of Environmental Conservation, January 2018 to December 2021.  
“Determining the importance of vernal pools across geophysical and urbanization gradients to inform regulation, conservation, and management,” Environmental Protection Agency Wetland Program Development Grant, \$323,477, January 2016 to March 2020.  
“2020 Breeding Bird Atlas,” New York State Department of Environmental Conservation, April 2018 to March 2023.  
“NY Natural Heritage Program Whale Monitoring Support,” New York State Department of Environmental Conservation, April 2015 to March 2022.  
“Marine Component of the NY Natural Heritage Program,” New York State Department of Environmental Conservation, June 2016 to March 2022.

### **Publications in peer-reviewed journals**

Wybron, M. D., M. D. Schlesinger, M. K. Fierke, J. L. Frair, and D. Parry. In press. Estimating abundance and occupancy of northern barrens tiger beetles in an isolated New York population. *Northeastern Naturalist*.  
Nagel, L. D., S. A. McNulty, M. D. Schlesinger, and J. P. Gibbs. In press. Breeding effort and hydroperiod indicate habitat quality of small, isolated wetlands for amphibians under climate extremes. *Wetlands*.  
Young, B. E., N. Dodge, P. D. Hunt, M. Ormes, M. D. Schlesinger, and H. Y. Shaw. 2019. Using citizen science data to support conservation in environmental regulatory contexts. *Biological Conservation* 237:57-62.  
Schlesinger, M. D., J. A. Feinberg, N. H. Nazdrowicz, J. D. Kleopfer, J. C. Beane, J. F. Bunnell, J. Burger, E. Corey, K. Gipe, J. W. Jaycox, E. Kiviat, J. Kubel, D. P. Quinn, C. Raithel, P. A. Scott, S. M. Wenner, E. L. White, B. Zarate, and H. B. Shaffer. 2018. Follow-up ecological studies for cryptic species discoveries: decrypting the leopard frogs of the eastern U.S. *PLoS ONE* 13(11): e0205805. <https://doi.org/10.1371/journal.pone.0205805>.  
Howard, T. G., M. D. Schlesinger, C. Lee, G. Lampman, and T. H. Tear. 2016. Guiding conservation and renewable energy development using a paired return-on-investment approach. *Biological Conservation* 201:69-77.

- White, E. L., P. D. Hunt, M. D. Schlesinger, J. D. Corser, and P. G. deMaynadier. 2015. Prioritizing Odonata for conservation action in the northeastern USA. *Freshwater Science* 34(3):1079-1093.
- Corser, J. D., E. L. White, and M. D. Schlesinger. 2015. Adult activity and temperature preference drives region-wide damselfly (Zygoptera) distributions under a warming climate. *Biology Letters* 11:20150001.
- Feinberg, J. A., C. E. Newman, G. J. Watkins-Colwell, M. D. Schlesinger, B. Zarate, B. R. Curry, H. B. Shaffer, and J. Burger. 2014. Cryptic diversity in Metropolis: Confirmation of a new leopard frog species (Anura: Ranidae) from New York City and surrounding Atlantic Coast regions. *PLOS ONE* 9:e108213.
- Corser, J. D., E. L. White, and M. D. Schlesinger. 2014. Odonata origins, biogeography, and diversification in an Eastern North American hotspot: Multiple pathways to high temperate forest insect diversity. *Insect Conservation and Diversity* 7:393–404.
- Morton, C. M. and M. D. Schlesinger. 2014. Low genetic diversity and poor dispersal, but not conservation status rank, are linked to climate change vulnerability. *Journal of the Botanical Research Institute of Texas* 8(1):305-318.
- Mawdsley, J. R., M. D. Schlesinger, T. Simmons, and O. J. Blanchard. 2013. Status of the tiger beetle *Cicindela hirticollis* Say (Coleoptera: Cicindelidae) in New York City and on Long Island, New York, USA. *Insecta Mundi* 0317: 1–7.
- White, A. M., E. F. Zipkin, P. N. Manley, and M. D. Schlesinger. 2013. Simulating avian species and foraging group responses to fuel reduction treatments in coniferous forests. *Forest Ecology and Management* 304:261–274.
- White, A. M., E. F. Zipkin, P. N. Manley, and M. D. Schlesinger. 2013. Conservation of avian diversity in the Sierra Nevada: Moving beyond a single-species management focus. *PLOS ONE* 8:e63088.
- Howard, T. G., and M. D. Schlesinger. 2013. Wildlife habitat connectivity in the changing climate of New York's Hudson Valley. *Annals of the New York Academy of Sciences* 00:1-17.
- Hudgins, R. M., C. Norment, and M. D. Schlesinger. 2012. Assessing detectability for monitoring of rare species: a case study of the cobblestone tiger beetle (*Cicindela marginipennis* Dejean). *Journal of Insect Conservation* 16:447–455.
- Schlesinger, M. D., and P. G. Novak. 2011. Status and conservation of an imperiled tiger beetle fauna in New York State, USA. *Journal of Insect Conservation* 15:839–852.
- Hudgins, R., C. Norment, M.D. Schlesinger, and P.G. Novak. 2011. Habitat selection and dispersal of the cobblestone tiger beetle (*Cicindela marginipennis* Dejean) along the Genesee River, New York. *American Midland Naturalist* 165(2):304-318.
- Jablonski, K.E., S.A. McNulty, and M.D. Schlesinger. 2010. A digital spot-mapping method for avian field studies. *Wilson Journal of Ornithology* 122:772-776.
- Schlesinger, M.D., P.N. Manley, and M.A. Holyoak. 2008. Distinguishing stressors acting on land bird communities in an urbanizing environment. *Ecology* 89:2302-2314.
- Heckmann, K.E., P.N. Manley, and M.D. Schlesinger. 2008. Ecological integrity of remnant montane forests along an urban gradient in the Sierra Nevada. *Forest Ecology and Management* 255:2453-2466.
- Manley, P.N., S. Parks, L.A. Campbell, and M.D. Schlesinger, 2008. Modeling urban land development as a continuum to address fine-grained habitat heterogeneity. *Landscape and Urban Planning* 89:28-36.
- Manley, P.N., D.D. Murphy, L.A. Campbell, K.E. Heckmann, S. Merideth, M. Sanford, and M.D. Schlesinger. 2006. Biotic diversity interfaces with urbanization in the Lake Tahoe Basin. *California Agriculture* 60(2):59-64.
- Manley, P.N., M.D. Schlesinger, J.K. Roth, and B. Van Horne. 2005. A field-based evaluation of a presence–absence protocol for monitoring ecoregional-scale biodiversity. *Journal of Wildlife Management* 69(3):950-966.
- Manley, P.N., W.J. Zielinski, M.D. Schlesinger, and S.R. Mori. 2004. Evaluation of a multiple-species approach to monitoring species and ecosystem conditions at the ecoregional scale. *Ecological Applications* 14(1):296-310.

## Selected reports and book chapters

- New York Natural Heritage Program and InnerSpace Scientific Diving. 2020. Initial survey of Plum Island's marine habitats. Report to the Connecticut Fund for the Environment and Save the Sound.

- Schlesinger, M.D. and M.D. Wybron. 2020. Developing stewardship guidance for the protection of the rare northern barrens tiger beetle. New York Natural Heritage Program, Albany, NY.
- Schlesinger, M.D., J.A. Feinberg, N.H. Nazdrowicz, J.D. Kleopfer, J. Beane, J.F. Bunnell, J. Burger, E. Corey, K. Gipe, J.W. Jaycox, E. Kiviat, J. Kubel, D. Quinn, C. Raithel, S. Wenner, E.L. White, B. Zarate, and H.B. Shaffer. 2017. Distribution, identification, landscape setting, and conservation of *Rana kauffeldi* in the northeastern U.S. Report to the Wildlife Management Institute for Regional Conservation Needs grant RCN 2013-03. Available from New York Natural Heritage Program, Albany, NY.
- Schlesinger, M.D., E.L. White, and J.D. Corser. 2017. Empire State Native Pollinator Survey study plan. New York Natural Heritage Program, SUNY College of Environmental Science and Forestry, Albany, NY.
- Handel, Steven N., J. Marra, C. M. K. Kaunzinger, V. M. Bricelj, J. Burger, R. L. Burke, M. Camhi, C. P. Colon, O. P. Jensen, J. Labelle, H. C. Rosenbaum, E. W. Sanderson, M. D. Schlesinger, J. R. Waldman, and C. B. Zarnoch. 2016. Ecology of Jamaica Bay: History, status, and resilience. Pages 91-116 in Sanderson, E. W., W. D. Solecki, J. R. Waldman, and A. S. Parris. 2016. Prospects for resilience: Insights from New York City's Jamaica Bay. Island Press, Washington, D. C.
- Conrad, N. B., A. K. Conley, T. G. Howard, and M. D. Schlesinger. 2016. Identifying biodiversity priority areas in New York and its State Parks. New York Natural Heritage Program, Albany, New York, and SUNY College of Environmental Science and Forestry, Syracuse, NY.
- Schlesinger, M. D., E. L. White, G. J. Edinger, S. M. Young, K. A. Perkins, N. Schoppmann, and D. Parry. 2016. Plum Island biodiversity inventory. New York Natural Heritage Program, State University of New York College of Environmental Science and Forestry. Albany, NY.
- Edinger, G. J., T. G. Howard, and M. D. Schlesinger. 2016. Classification of Natural Areas Conservancy's ecological assessment plots. New York Natural Heritage Program, State University of New York College of Environmental Science and Forestry. Albany, NY.
- Howard, T. G., M. D. Schlesinger, and G. J. Edinger. 2015. Extent and condition of habitats for New York's Species of Greatest Conservation Need. New York Natural Heritage Program, State University of New York College of Environmental Science and Forestry, Albany, NY.
- White, E. L., K. A. Perkins, T. G. Howard, and M. D. Schlesinger. 2014. Identifying high-quality streams to support watershed resiliency and conservation and management priority-setting. New York Natural Heritage Program, State University of New York College of Environmental Science and Forestry. Albany, NY.
- Schlesinger, M. D. and L. A. Bonacci. 2014. Baseline monitoring of large whales in the New York Bight. New York Natural Heritage Program and New York State Department of Environmental Conservation, Albany and East Setauket, New York.
- White, E. L., P. D. Hunt, M. D. Schlesinger, J. D. Corser, and P. G. deMaynadier. 2014. A conservation status assessment of Odonata for the northeastern United States. New York Natural Heritage Program, Albany, NY.
- Edinger, G.J., A.M. Chaloux, J.D. Corser, A.L. Feldmann, K.A. Perkins, R.M. Ring, M.D. Schlesinger, and E.L. White. 2013. Rare species and significant natural communities of Fort Drum Military Installation. New York Natural Heritage Program, Albany, NY.
- Ring, R.M., A.L. Feldmann, M.D. Schlesinger, and E.L. White. 2012. Bay to Sound Project rare species and natural community inventory. New York Natural Heritage Program, Albany, NY.
- Schlesinger, M.D., A.L. Feldmann, and S.M. Young. 2012. Biodiversity and ecological potential of Plum Island, New York. New York Natural Heritage Program, Albany, New York.
- France, K. E., M. Burger, T. G. Howard, M. D. Schlesinger, K. A. Perkins, M. MacNeil, D. Klein, and D. B. Ewert. 2012. Final report for Lake Ontario Migratory Bird Stopover Project. Prepared by The Nature Conservancy for the New York State Department of Environmental Conservation, in fulfillment of a grant from the New York Great Lakes Protection Fund (C303907).
- Howard, T.G. and M.D. Schlesinger. 2012. PATHWAYS: Wildlife habitat connectivity in the changing climate of the Hudson Valley. New York Natural Heritage Program, Albany, New York.
- White, E.L., J.J. Schmid, T.G. Howard, M.D. Schlesinger, and A.L. Feldmann. 2011. New York State freshwater conservation blueprint project, phases I and II: Freshwater systems, species, and viability metrics. New York Natural Heritage Program, The Nature Conservancy. Albany, NY. 85 pp. plus appendix.

- Schlesinger, M.D., J.D. Corser, K.A. Perkins, and E.L. White. 2011. Vulnerability of at-risk species to climate change in New York. New York Natural Heritage Program, Albany, NY.
- Edinger, G.J., S.C. Brock, J.D. Corser, L. Lyons-Swift, M.D. Schlesinger, J.J. Schmid, F.C. Sechler Jr., and E.L. White. 2011. Ecological and zoological inventory of Wilton Wildlife Preserve and Park. New York Natural Heritage Program, Albany, New York.
- Schlesinger, M.D. 2010. Rare tiger beetles of New York: Status and conservation. New York Natural Heritage Program, Albany, New York.
- White, E.L., J.D. Corser, & M.D. Schlesinger. 2010. The New York dragonfly and damselfly survey 2005-2009: the distribution and status of the Odonates of New York. New York Natural Heritage Program, Albany, New York; available at: <http://www.dec.ny.gov/animals/31061.html>.
- Chaloux, A.M., J.W. Jaycox, J.D. Corser, M.D. Schlesinger, H.Y. Shaw, and E.M. Spencer. 2010. Surveying for New York's high-priority reptiles and amphibians: Implications for standardized protocols. New York Natural Heritage Program, Albany, New York.
- Manley, P.N., K.K. McIntyre, M.D. Schlesinger, L.A. Campbell, S. Merideth, and D.D. Murphy. 2009. Use of forest inventory and analysis grid-based animal population data to develop an index of ecological diversity. Pages 121-136 In R.E. McRoberts, G.A. Reams, P.C. Van Deusen, and W.H. McWilliams, eds. Proceedings of the eighth annual Forest Inventory and Analysis Symposium, 2006 October 16-19, Monterey, CA. General Technical Report GTR-WO-79, US Department of Agriculture, Forest Service, Washington, DC.
- Howard, T.G., M.D. Schlesinger, et al. 2008. 2008 Field Surveys of Adirondack Woodlands (Finch-Pruyn) Easement Properties. New York Natural Heritage Program, Albany, New York. (Similar reports from 2007 and 2009 not listed here.)
- Manley, P.N., D.D. Murphy, M.D. Schlesinger, S. Merideth, L.A. Campbell, M. Sanford, K. Heckmann, and S. Parks. 2006. The role of urban forests in conserving and restoring biological diversity in the Lake Tahoe Basin: Final report. Report to U.S. Forest Service—Lake Tahoe Basin Management Unit, Tahoe Regional Planning Agency, and Nevada Division of State Lands.
- Roth, J.K., P.N. Manley, M.M. McKenzie, and M.D. Schlesinger. 2004. Multiple Species Inventory and Monitoring 2002 Monitoring Report. U.S. Department of Agriculture, Forest Service, Lake Tahoe Basin Management Unit, South Lake Tahoe, California, USA.
- Manley, P.N., and M.D. Schlesinger. 2001. Riparian-associated biota in lentic and lotic ecosystems of the Lake Tahoe basin: an assessment of biophysical relationships. Report to California-Tahoe Conservancy and U.S. Forest Service, 465 pp.
- Manley, P.N., J.A. Fites-Kaufman, M.G. Barbour, M.D. Schlesinger, and D.M. Rizzo. 2000. Chapter 5: Biological integrity. Pages 401-598 in D. D. Murphy and C. M. Knopp, editors. Lake Tahoe watershed assessment, volume I. U.S. Department of Agriculture, Forest Service, General Technical Report PSW-GTR-175. Pacific Southwest Research Station, Albany, California, USA.
- Primary author, co-author, and/or editor of 15 appendices to the Lake Tahoe Watershed Assessment (in Vol. II of Murphy and Knopp, U.S. Department of Agriculture, Forest Service, General Technical Report PSW-GTR-176, Pacific Southwest Research Station, Albany, California, USA, 407 pp.), cataloging the Lake Tahoe basin's biological diversity, documenting vulnerability of species and ecosystems of concern, providing methodological details regarding Vol. I of the Assessment, and suggesting appropriate conservation and management actions.

## Selected conference, public, and academic presentations

(\* denotes presenter)

- Schlesinger, M. D.\* 2020. Determining the Importance of Vernal Pools across Geophysical and Urbanization Gradients. Presentation to the NYS Department of Environmental Conservation Bureau of Ecosystem Health, Syracuse, NY, February 2020.
- Schlesinger, M. D.\* 2020. New York's Native Pollinators. Presentation to the Emma Treadwell Thacher Nature Center, January 2020.

- Schlesinger, M. D.\* 2019. Tiger Beetles and Leopard Frogs: Rare Animals and the New York Natural Heritage Program. Invited lecture at SUNY Cobleskill, November 2019.
- Schlesinger, M. D.\* 2019. Developing Stewardship Guidance for the Rare Northern Barrens Tiger Beetle (*Cicindela patruela*). Presentation to the Shawangunk Ridge Biodiversity Partnership. June 2019.
- Schlesinger, M. D.\* 2019. Tiger Beetles of the Hudson Valley. Presentation to the Hudson Valley League of Naturalists, March 2019.
- Schlesinger, M. D.\* 2019. Empire State Native Pollinator Survey. Presentation to the New York City Pollinator Working Group, March 2019.
- Schlesinger, M. D.\* 2018. Tiger Beetles and Leopard Frogs: Rare Animals and the New York Natural Heritage Program. Invited lecture at SUNY Cobleskill, November 2018.
- Schlesinger, M. D.\* 2019. Plum Island's Biodiversity: Areas for Special Consideration. Presentation to Plum Island visioning session, November 2018.
- Schlesinger, M. D.\* 2018. Importance of Animal Assemblages. Presentation to Northeast Regional Natural Heritage Conference, PA, October 2018.
- Schlesinger, M. D.\* 2018. Statewide Biodiversity Inventory and Monitoring. Forum on the Edmund Niles Huyck Preserve's monitoring efforts, Rensselaerville, NY, August, 2018.
- Schlesinger, M. D.\* 2018. Landscapes used by New England Cottontails (*Sylvilagus transitionalis*) at the Edge of their Range. Presentation at the Northeast Natural History Conference, Springfield, MA, April 2018.
- Schlesinger, M. D.\* 2018. The New York Natural Heritage Program. Invited lecture at SUNY Albany, April 2018.
- Schlesinger, M. D.\* 2017. Habitat connectivity in the Hudson Valley. Invited presentation at Nature Across Boundaries: Keeping Lands and Waters Connected, the Mohonk Mountain House, New Paltz, NY, November 2017.
- Schlesinger, M. D.\* 2017. Tiger Beetles and Leopard Frogs: Rare Animals and the New York Natural Heritage Program. Invited lecture at Stony Brook University, October 2017, and SUNY Cobleskill, November 2017.
- Schlesinger, M. D.\* 2016. Plum Island's Biodiversity. Invited presentations to the Long Island Sound Study in August 2016 and to the general public in Greenport, NY, October 2016 and Old Lyme, CT, November 2016.
- Schlesinger, M. D.\* 2016. Tiger Beetles and Leopard Frogs: Rare Animals and the New York Natural Heritage Program. Invited lecture at SUNY Cobleskill, November 2016.
- Edinger, G. J., T. G. Howard, and M. D. Schlesinger\*. 2016. Classification of Natural Areas Conservancy's ecological assessment plots. Presentation to the Natural Areas Conservancy and conservation professionals, New York, New York, May 10, 2016.
- Schlesinger, M. D.\* 2016. Writing the field guide page for the Atlantic Coast leopard frog, the United States' newest frog species. Presentations at NatureServe's Biodiversity without Boundaries conference, San Juan, Puerto Rico, April 21, 2016; invited public presentation at the New Jersey Pinelands Commission, Pemberton, New Jersey, April 6, 2016; and Northeast Fish and Wildlife Conference, Annapolis, Maryland, April 5, 2016.
- Schlesinger, M. D.\* 2015. The Hudson Valley's Forests and their Iconic Wildlife. Invited presentation to the Hudson Valley Educators' Conference, Hyde Park, New York, December 2015.
- Schlesinger, M. D.\* 2015. Distribution and conservation status of the Atlantic Coast leopard frog. Presentation at the Northeast Partners in Reptile and Amphibian Conservation conference, West Greenwich, Rhode Island, August 20, 2015.
- Schlesinger, M. D.\* 2015. Everyone's moving to the Catskills: How some of the Hudson Valley's rare animals might respond to climate change. Invited public presentation at the Huyck Preserve, Rensselaerville, New York, July 9, 2015.
- Schlesinger, M. D.\*, T. G. Howard, K. France, and R. Shirer. 2015. Using species distribution models to assess fine-scale climate change vulnerability. Presentation at NatureServe's Biodiversity without Boundaries conference, Traverse City, Michigan, April 2015.
- Schlesinger, M. D.\* 2014. Tiger beetles of New York: Predators in the sand. Invited public presentation at the Albany Pine Bush, Albany, New York, September 18, 2014.

- Schlesinger, M. D.\* 2014. Tiger beetles and leopard frogs: Rare animals and the New York Natural Heritage Program. Invited public presentations at the Adirondack Ecological Center, Newcomb, New York, August 7, 2014 and Huyck Preserve, Rensselaerville, New York, July 11, 2013.
- Schlesinger, M. D.\* and T. G. Howard. 2014. Multi-species distribution modeling to inform wind energy siting. Presentation at NatureServe's Biodiversity without Boundaries conference, New Orleans, Louisiana, April 2014.
- Howard, T. G., and M. D. Schlesinger. 2013. Distribution modeling and connectivity modeling at fine scales in the Hudson Valley with applications to a spatial vulnerability assessment. Presentation at the 69<sup>th</sup> Annual Northeast Fish & Wildlife Conference, Saratoga Springs, New York, April 9, 2013.
- Perkins, K. A., M. D. Schlesinger, T. G. Howard, and C. J. Herzog. 2013. Bat summer distribution models for New York State. Presentation at the Northeast Bat Working Group meeting, Albany, New York, January 9, 2013.
- Perkins, K. A., M. D. Schlesinger, T. G. Howard, and B. M. Gary. 2013. Environmental variables related to bat fatality at wind turbines in New York. Presentation at the Northeast Bat Working Group meeting, Albany, New York, January 10, 2013.
- Schlesinger, M. D.\*, A. L. Feldmann, S. M. Young, M. Bottini, R. DiGiovanni, T. Green, E. Lamont, M.L. Lamont, H. D. McGuinness, M. S. Scheibel, J. Sepenoski, P. R. Spitzer, and R. Stalter. 2012. Biodiversity and ecological potential of Plum Island. Paper presented at the Long Island Natural History Conference, Brookhaven National Laboratory, Brookhaven, New York, November 16, 2012.
- Howard, T. G., and M. D. Schlesinger\*. 2012. The Catskills connection: Using species distribution modeling to inform regional connectivity assessments under current-day and future climate. Paper presented at the Catskills Environmental Research and Monitoring Conference, Highmount, New York, October 25, 2012.
- Schlesinger, M.D.\*, J.D. Corser, K.A. Perkins, and E.L. White. 2011. Vulnerability of at-risk species to climate change in New York. Paper presented at the Northeast Natural History Conference, Albany, New York.
- Howard, T.G., M.D. Schlesinger\*, et al. 2011. Wind, willows, and wings: New data and tools to improve energy siting for biodiversity in New York. Poster to be presented at the State of the Science Workshop on the Ecological Effects of Wind, Indianapolis, IN.
- Schlesinger, M.D. 2011. Animals on the move: Climate change and habitat connectivity. Shawangunk Ridge Biodiversity Partnership lecture series.
- Perkins, K.A., M.D. Schlesinger, and J.D. Corser. 2009. Ranking Birds in New York using NatureServe's Rank Calculator. Paper presented at the Northeast Natural Heritage Conference, Gettysburg, Pennsylvania.
- White, E.L., and M.D. Schlesinger. 2009. The New York Dragonfly and Damselfly Survey: Planning for the final year of a statewide atlas. Paper presented at the Northeast Natural Heritage Conference, Gettysburg, Pennsylvania.
- White, E.L., M.D. Schlesinger, and P.G. Novak. 2008. The New York Dragonfly and Damselfly Survey: Using scientists and volunteers to address information gaps. Poster presented at the NatureServe Conservation Conference, Boulder, Colorado.
- Schlesinger, M.D.\*, P.N. Manley, and M.A. Holyoak. 2006. Direct and indirect effects of urbanization on landbird communities in the central Sierra Nevada. Paper presented at the Society for Conservation Biology Annual Meeting, San Jose, California.
- Manley, P. N., D.D. Murphy, L.A. Campbell, K.E. Heckmann, S. Merideth, M. Sanford, and M.D. Schlesinger. 2006. Multi-taxonomic patterns and thresholds of biological diversity along a gradient of human development. Society for Conservation Biology Annual Meeting, San Jose, California.
- Schlesinger, M.D.\*, P.N. Manley, and M.A. Holyoak. 2006. Landbird community and population responses to development and human disturbance in the urbanizing Lake Tahoe basin. Poster presented at conference entitled "Conserving Birds in Human-Dominated Landscapes," the American Museum of Natural History, New York, New York.
- Schlesinger, M.D.\*, P.N. Manley, and M.A. Holyoak. 2005. Landbird populations and communities in the urbanizing Lake Tahoe basin. Paper presented at the Bay Area Conservation Biology Symposium, Stanford University, Palo Alto, California.

- Manley, P.N., D.D. Murphy, M.D. Schlesinger, S. Merideth, L.A. Campbell, K.E. Heckmann, M. Sanford, and M.A. Holyoak. 2004. Patterns and thresholds of biological diversity in Lake Tahoe's urbanizing landscape. Poster presented at the Ecological Society of America Annual Meeting, Portland, Oregon.
- Schlesinger, M.D.\*, M.A. Holyoak, and P.N. Manley. 2004. Bird populations and communities in the urbanizing Lake Tahoe basin. Paper presented at the 2nd Biennial Conference on Tahoe Environmental Concerns, Kings Beach, Nevada.
- Manley, P.N., S. Parks, M.D. Schlesinger, and L.A. Campbell. 2004. A landscape development, disturbance, and biodiversity model for the Lake Tahoe basin. Poster presented at the 2nd Biennial Conference on Tahoe Environmental Concerns, Kings Beach, Nevada.
- Manley, P.N., M.D. Schlesinger, W.J. Zielinski, and S.R. Mori. 2001. Identifying focal species at bioregional scales through a multi-species monitoring approach. Paper presented at the Society for Conservation Biology Annual Meeting, Hilo, Hawaii.
- Manley, P.N., and M.D. Schlesinger\*. 2001. Biological monitoring: the fundamentals and their application in the Lake Tahoe basin. Presentation given at the Lake Tahoe Ecological Forum, South Lake Tahoe, California.
- Manley, P.N., and M.D. Schlesinger. 2000. Predictive modeling of biodiversity in the Lake Tahoe basin: an assessment and conservation tool. Paper presented at the Society for Conservation Biology Annual Meeting, Missoula, Montana.
- Manley, P.N., and M.D. Schlesinger\*. 2000. Modeling bird species richness in riparian areas: a conservation tool for the Sierra Nevada. Paper presented at the Wildlife Society Western Section annual meeting, Riverside, California.
- Manley, P.N., M.D. Schlesinger\*, J.S. Romsos, J. Hodge, E.M. Holst, and S. Ferguson. 1999. Identification of focal vertebrates in the Lake Tahoe Watershed Assessment. Paper presented at the Lake Tahoe Ecological Forum, South Lake Tahoe, California.

## Professional service

Scientific Advisory Committee, Edmund Niles Huyck Preserve and Biological Research Station, Rensselaerville, NY, 2015 to present.

Scientific Advisory Board, Natural Areas Conservancy, New York, NY, 2014 to present.

Reviewer for *Ecology*, *Ecology Letters*, *Journal of Ornithology*, *Annales Zoologici Fennici*, *Northeastern Naturalist*, *Landscape and Urban Planning*, *Biological Conservation*, *Diversity*, National Science Foundation