

*Curriculum Vitae*

**Brooke Maslo**, Assistant Professor/Extension Specialist  
Ecology, Evolution and Natural Resources  
Rutgers, The State University of New Jersey  
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**EDUCATION**

- 2010 Ph.D. in Ecology and Evolution, Rutgers University
- 2001 B.S. in Engineering, University of Maryland

**PROFESSIONAL HISTORY**

- 2015- Assistant Professor, Department of Ecology, Evolution and Natural Resources, Rutgers University
- 2012-15 Assistant Research Professor, Department of Ecology, Evolution and Natural Resources, Rutgers University
- 2012- Assistant Extension Specialist, Rutgers Cooperative Extension, New Jersey Agricultural Experiment Station
- 2011-12 Managing Editor, *Ecological Restoration*, University of Wisconsin Press
- 2010-12 Research Specialist, Center for Urban Restoration Ecology, Rutgers University
- 2010-12 Senior Ecologist, Green Shield Ecology, Inc., Bridgewater, NJ
- 2010-12 Adjutant Faculty, Department of Ecology, Evolution and Natural Resources, Rutgers University

**HONORS AND AWARDS**

- 2017 Merit Award in Landscape Planning and Analysis for *In the Flood Zone: Floodplain Restoration in Residential Neighborhoods Damaged by Superstorm Sandy*, American Society of Landscape Architects – NJ Chapter
- 2015 National Professional Communication Award for *Ecological Restoration Journal: A New Platform for Dialogue Between Landscape Architects and Ecologists*, American Society of Landscape Architects.
- 2015 Merit Award in Landscape Architectural Communication for *Duke Farms: Revealing New Values of Landscape*, American Society of Landscape Architects – NJ Chapter
- 2015 Long Publication Bronze Award for *Rutgers River Friendly Business Program*, Association of Natural Resource Extension Professionals
- 2014 Women in Wildlife Education Award. This award recognizes outstanding contributions to wildlife conservation education, Conserve Wildlife Foundation of New Jersey.
- 2014 Merit Award for *St. Patrick's Island Project*, American Institute of Architects – NY Chapter
- 2012 Green Urban Planning Award for *Full Circle: St. Louis City+Arch+River* landscape design, Chicago Athenaeum Museum of Architecture and Design
- 2012 Outstanding Faculty/Staff Member of the Month, The Scarlet Knights Chapter of The National Residence Hall Honorary

**GRANTS** (totaling \$941,662)

- 2017 Wildlife Management Institute. *Identifying Genomic Signatures of Selection in Multiple Bat Host Species*. \$39,914. (Lead PI: B.Maslo; co-PIs: S. Gignoux-Wolfsohn, M. Pinsky, and B. Hines)
- 2017 United States Fish and Wildlife Service. *Piping Plover Habitat Model Synthesis*. \$7,028. (Sole PI: B. Maslo)
- 2017 Woodbridge Township. *Floodplain and Open Space Restoration Implementation*. \$60,000. (Lead PI: B.Maslo; co-PI: J. Bergstrom)
- 2016 NJ Department of Environmental Protection. *Habitat Selection of Northern Long-eared Bats*. \$3,765. (Sole PI: B. Maslo)
- 2016 Woodbridge Township. *Landscape Planning and Public Education Services*. \$49,875. (Lead PI: B. Maslo; co-PI: J. Bergstrom)
- 2016 Animal Welfare Institute. *Provisioning of Roost Structures to Minimize Negative Impacts to Bats Evicted from Homes*. \$8,311. (Sole PI: B. Maslo)
- 2015 United States Fish and Wildlife Service. *Are Bat Populations with White-nose Syndrome Undergoing Rapid Natural Selection?* \$292,804. (Lead PI: B. Maslo; co-PIs: M. Pinsky and N.H. Fefferman)
- 2015 Wildlife Management Institute. *Survival of Indiana Bats after White-nose Syndrome and its Implications for Population Recovery*. \$21,221. (Lead PI: B. Maslo; co-PI: C. Sanders)
- 2015 USDA – NRCS Conservation Innovation Grant. *Bats as Tools for the Early Detection of Agricultural Pests*. \$70,208. (Lead PI: B. Maslo; co-PI: J. Foster)
- 2015 NJ Sea Grant. *Identifying the Impacts of Commercial Oyster Aquaculture on Foraging Behavior of Red Knots in Delaware Bay*. \$130,000. (Lead PI: B. Maslo; co-PIs: J.L. Lockwood, D. Bushek, and J. Burger)
- 2015 Conserve Wildlife Foundation of New Jersey. *Habitat Restoration Plan for Threatened and Endangered Beach-nesting Birds in Barnegat Light, NJ*. \$20,500. (Lead PI: B. Maslo; co-PIs: J. Bergstrom and C. Obropta)
- 2015 NJ Department of Environmental Protection. *Effects of Oyster Aquaculture on Foraging Shorebirds on Delaware Bay*. \$40,000. (Lead PI: B. Maslo; co-PIs: J.L. Lockwood and J. Burger)
- 2015 National Fish and Wildlife Foundation. *Identifying the Impacts of Commercial Oyster Aquaculture of Foraging Efficiency of Red Knots in Delaware Bay*. \$21,986. (Lead PI: B. Maslo; co-PIs: J.L. Lockwood and J. Burger)
- 2014 United States Fish and Wildlife Service. *Protection of Critical Beach-nesting Bird Habitats in the Wake of Severe Coastal Storms*. \$105,000. (Lead PI: B. Maslo; co-PI: T. Pover)
- 2012 USDA-NRCS Conservation Innovation Grant. *Analyzing Bat Guano for Agricultural Pests to Reduce Brown Marmorated Stink Bug Populations and Improve Bat Habitat on New Jersey Farm*. \$69,050. (Sole PI: B. Maslo)
- 2012 Faculty Resource Development Grant. Awarded to convert an existing academic course for hybrid delivery. \$3,000. (sole PI: B. Maslo)

## PROFESSIONAL PUBLICATIONS

### Peer-reviewed manuscripts

1. Schlacher, T.A., B.M. Hutton, B.L. Gilby, N. Porph, G.S. Maguire, B. Maslo, R.M. Connolly, A.D. Olds, and M.A. Weston. 2017. Algal subsidies enhance invertebrate prey for threatened shorebirds: A novel conservation tool on ocean beaches? *Estuarine, Coastal and Shelf Science* doi: 10.1016/j.ecss.2017.04.004.
2. Maslo, B., <sup>P</sup>S. Gignoux-Wolfsohn, and N.H. Fefferman. 2017. Success of wildlife disease treatment depends on host immune response. *Frontiers in Ecology and the Environment* 5:28. doi: 10.3389/fevo.2017.00028.
3. Maslo, B., <sup>G</sup>R. Valentin, <sup>G</sup>K. Leu, K. Kerwin, <sup>U</sup>A. Bevan, G. Hamilton, N.H. Fefferman, and D.M. Fonseca. ChiroSurveillance: The use of native bats to detect invasive agricultural insect pests. *PLoS One* 12(3):e0173321.
4. Maslo, B., <sup>G</sup>K. Leu, <sup>G</sup>C. Faillace, M.A. Weston, T. Pover, and T.A. Schlacher. 2016. Selecting umbrella species for conservation: A test of habitat models and niche overlap for beach-nesting birds. *Biological Conservation* 203:233-242.
5. Maslo, B., T.A. Schlacher, M.A. Weston, C.M. Huijbers, C. Anderson, B.L. Gilby, A.L. Olds, R.M. Connolly, and D.S. Schoeman. 2016. Regional drivers of clutch loss reveal important trade-offs for beach-nesting birds. *PeerJ* 4:e2460.
6. Schlacher, T.A., L. Carracher, N. Porph, R. Conolly, A. Olds, B. Gilby, K. Ekanayake, B. Maslo, and M. Weston. 2016. The early shorebird will catch fewer invertebrates on trampled sandy beaches. *PLoS One* 11(8):e0161905.
7. Cohen, J., A. Hecht, K.F. Robinson, E.E. Osnas, A.J. Tyre, C. Davis, A. Koccek, B. Maslo, and S.M. Melvin. 2016. To exclose nests or not: Structured decision making for the conservation of a threatened species. *Ecosphere* 7(10):e01499.
8. <sup>G</sup>Valentin, R., B. Maslo, J.L. Lockwood, J. Pote, and D.M. Fonseca. 2016. Real-time PCR assay to detect brown marmorated stink bug, *Halyomorpha halys*, in environmental DNA (eDNA). *Pest Management Science* 72:1854-1861.
9. Schlacher, T.A., S. Lucrezi, C. Peterson, R. Connolly, A. Olds, F. Althaus, G. Hyndes, B. Maslo, B.L. Gilby, J. Leon, M. Weston, M. Lastra, A. Williams, and D. Schoeman. 2016. Estimating animal populations and body sizes from burrows: Marine ecologists have their heads buried in the sand. *Journal of Sea Research* 112:55-64.
10. <sup>G</sup>Burkhalter, J.C., J.L. Lockwood, B. Maslo, K.H. Fenn, and <sup>G</sup>K. Leu. 2016. Effects of cost metric on cost-effectiveness of protected area network design in urban landscapes. *Conservation Biology* 30:403-412.
11. Schlacher, T.A., S. Lucrezi, R.M. Connolly, C.H. Peterson, B.L. Gilby, B. Maslo, S.J. Walker, J.X. Leon, *et al.* 2016. Human threats to sandy beaches: A meta-analysis of ghost crabs illustrates global anthropogenic impacts. *Estuarine, Coastal and Shelf Science* 169:56-73.
12. Maslo, B., M. Valent, J.F. Gumbs, and W.F. Frick. 2015. Conservation implications of ameliorating survival of little brown bats with white-nose syndrome. *Ecological Applications* 25:1832-1840.
13. Maslo, B. and N.H. Fefferman. 2015. A case study of bats and white-nose syndrome demonstrating how to model population viability with evolutionary effects. *Conservation Biology* 29:1176-1185.
14. Maslo, B., J.L. Lockwood, and <sup>G</sup>K. Leu. 2015. Land ownership patterns associated with declining northeastern forest birds. *Environmental Conservation* 42:216-226.

15. Schlacher, T.A., D.S. Schoeman, A.R. Jones, J.E. Dugan, D.M. Hubbard, O. Defeo, C.H. Peterson, M.A. Weston, B. Maslo, A.D. Olds, F. Scapini, R. Nel, L.R. Harris, S. Lucrezi, M. Lastra, C. Huijbers, and R.M. Connolly. 2014. Metrics to assess ecological condition, change, and impacts in sandy beach ecosystems. *Journal of Environmental Management* 144:322-335.
16. Maslo, B., J. Burger, and S.N. Handel. 2012. Modeling foraging behavior of piping plovers to evaluate habitat restoration success. *Journal of Wildlife Management* 76:181-188.
17. Maslo, B., S.N. Handel, and T. Pover. 2011. Restoring beaches for Atlantic Coast piping plovers (*Charadrius melodus*): a classification and regression tree analysis of nest-site selection. *Restoration Ecology* 19(201):194-203.
18. Maslo, B. and J.L. Lockwood. 2009. Evidence-based decisions on the use of predator exclosures in shorebird conservation. *Biological Conservation* 142:3213-3218.

Manuscripts submitted, in review, or in revision

19. Maslo, B., O. Stringham, A. Bevan, M. Hall, A. Brumbaugh, C. Sander, and N.H. Fefferman. High annual survival in wildlife populations experiencing emerging infectious disease veils significant extinction risk from white-nose syndrome. *Ecosphere, in revision*.

Books

20. Maslo, B. and J.L. Lockwood (eds). 2014. *Coastal Conservation*. Cambridge UK: Cambridge University Press.

Book Chapters

21. Maslo, B. 2014. Cascading effects of global oyster reef loss on the health of estuaries. Pages 131-160 in Maslo, B. and J.L. Lockwood (eds), *Coastal Conservation*. Cambridge UK: Cambridge University Press.
22. Lockwood, J.L. and B. Maslo. 2014. The conservation of coastal biodiversity. Pages 1-12 in Maslo, B. and J.L. Lockwood (eds), *Coastal Conservation*. Cambridge UK: Cambridge University Press.
23. Niles, L.J., A.D. Dey, and B. Maslo. 2014. Overexploitation of marine species and its consequences for terrestrial biodiversity along coasts. Pages 347-369 in Maslo, B. and J.L. Lockwood (eds), *Coastal Conservation*. Cambridge UK: Cambridge University Press.
24. Lockwood, J.L. and B. Maslo. 2014. A research agenda for coastal biodiversity conservation. Pages 371-379 in Maslo, B. and J.L. Lockwood (eds), *Coastal Conservation*. Cambridge UK: Cambridge University Press.

Extension Publications

25. Kerwin, K. and B. Maslo. 2017. Guidance for siting and installing bat roost boxes. Cooperative Extension Fact Sheet FS1269. Rutgers, The State University of New Jersey, New Brunswick, NJ.
26. Maslo, B. and K. Kerwin. 2017. Ecological and economic importance of bats in integrated pest management. Rutgers Cooperative Extension Fact Sheet FS1270. Rutgers, The State University of New Jersey, New Brunswick, NJ.

27. B. Maslo, J. Bergstrom, T. Pontius-Courtney, and <sup>U</sup>B.K. Schumm. 2016. Woodbridge Township Open Space and Flood Plain Restoration Plan. New Brunswick, NJ: Rutgers Cooperative Extension. **Received a 2017 Merit Award in Landscape Planning and Analysis from the American Society of Landscape Architects – NJ Chapter.**
28. B. Maslo and T. Pover. 2016. Identification of potential beach-nesting bird habitat to be set aside in municipal beach management plans. New Brunswick, NJ: Rutgers Cooperative Extension.
29. B. Maslo. Wildlife management. In Rector, P., C.C. Obropta, and J.R. Brown. 2014. *Rutgers River Friendly Business Program Morris County Program Guidance*, E346b. New Brunswick, NJ: Rutgers NJAES Cooperative Extension. **Received a 2015 Long Publication Bronze Award from the Association of Natural Resource Extension Professionals.**
30. Maslo, B. and <sup>G</sup>K. Leu. 2013. The facts about bats in New Jersey. Cooperative Extension Fact Sheet FS1207. Rutgers, The State University of New Jersey, New Brunswick, NJ.
31. Maslo, B. and <sup>U</sup>C. Lewis. 2013. Canada goose ecology and impacts in New Jersey. Cooperative Extension Fact Sheet FS1214. Rutgers, The State University of New Jersey, New Brunswick, NJ.
32. Maslo, B. and <sup>U</sup>C. Lewis. 2013. Strategies for resident Canada goose control and management in New Jersey. Cooperative Extension Fact Sheet FS1217. Rutgers, The State University of New Jersey, New Brunswick, NJ.
33. Maslo, B. and <sup>U</sup>S. Wehman. 2013. Living with black bears in New Jersey. Cooperative Extension Fact Sheet E345. Rutgers, The State University of New Jersey, New Brunswick, NJ.
34. Maslo, B. and <sup>U</sup>S. Wehman. 2013. An overview of white-tailed deer status and management in New Jersey. Cooperative Extension Fact Sheet FS1202. Rutgers, The State University of New Jersey, New Brunswick, NJ.
35. Maslo, B. 2012. The perennial meadow as an alternative to turf lawns. Landscape Stewardship Series, Center for Urban Restoration Ecology, Rutgers University.
36. Maslo, B. Critical plant invasives and their removal. Landscape Stewardship Series, Center for Urban Restoration Ecology, Rutgers University, New Brunswick, NJ.

*Mentored*<sup>P</sup> *postdoc*, <sup>G</sup> *graduate student*, <sup>U</sup> *undergraduate*

#### Articles and Interviews

- 2016 Greenable Woodbridge TV Show. 30-minute interview discussing various ways Maslo and her colleagues at Rutgers Cooperative Extension are assisting Woodbridge Township, NJ, including ecological restoration, open space planning, nature-based education, and outreach. <https://youtube/sp6Mxvmooko>
2016. News article. *Crusader Without a Cape Sends out the Bat Signal in New Jersey*. The New York Times.
- 2016 News article. *Jersey Shore Turf War: Why Oyster Farmers and Environmentalists are Fighting Over Birds*. The Star Ledger.
- 2016 Online webcast. Verizon FIOS Push Pause. *Saving Our Bats*. <http://www.fios1news.com/newjersey/push-pause-saving-our-bats#.VyTx03CjPAP>.

- 2016 Article. B. Maslo. Deer in the NJ landscape and garden. New Jersey Agricultural Experiment Station. [esnews.rutgers.edu/2016/04/deer-in-the-new-jersey-landscape-and-garden/](http://esnews.rutgers.edu/2016/04/deer-in-the-new-jersey-landscape-and-garden/).
- 2015 News article. *N.J. Bears Don't Scare Away So Easily*. The Bergen Record.
- 2015 News article. *N.J. Bats' Future Looks Bleak*. The Bergen Record.
- 2014 Online blog. *Bear cub mystery in NYC: Explaining Recent Black Bear News*. National Geographic Weird and Wild Series.
- 2014 Radio interview. *After Sandy, Balancing in Needs of Shorebirds and People*. WHYY.org.
- 2014 Video documentary. *Fight for Flight: The Battle Against White-nose Syndrome*. Days Edge Productions.
- 2014 News article. *Bear Attack in West Milford Happened After Warning from Hikers, Was "One in a Million," Experts Say*. New Jersey Advance Media.
- 2014 News article. *Big Brown Bats in N.J. Thrive as Smaller Cousins Decline*. NorthJersey.com.
- 2013 News article. *Tranquility Church Steeple is a Sanctuary for Bats*. nj.com.

## PROFESSIONAL SPEAKING ENGAGEMENTS

### Invited Seminars and Talks

1. Symposium address. Maslo, B., J. Bergstrom, T. Pontius-Courtney, and C. Obropta. 2017. In the flood zone: Floodplain restoration in residential neighborhoods damaged by Superstorm Sandy. Society of American Foresters NJ Division Annual Training, New Brunswick, NJ.
2. Departmental Seminar. Maslo, B. 2016. Understanding how bats respond to white-nose syndrome. Georgian Court University, Department of Biology.
3. Research summary. Maslo, B. 2016. Preliminary results of research aimed at identifying the potential impacts of intertidal oyster aquaculture on foraging red knots. NJ Aquaculture Advisory Council.
4. Departmental Seminar. Maslo, B. 2016. Population-level impacts of varying host response to white-nose syndrome. Bryn Mawr College, Department of Biology.
5. Departmental Seminar. Maslo, B. 2015. Exploring the role of bats in integrated pest management. Rutgers University, Department of Entomology.
6. Symposium address. Maslo, B. 2015. Host response to white-nose syndrome likely drives potential impacts of treatment. White-nose Syndrome Treatment and Management Workshop, Grand Rapids, MI.
7. Research summary. Maslo, B. 2015. Discussing the potential evolutionary impacts of white-nose syndrome on host populations. White-nose Syndrome National Stakeholders Call, United States Fish and Wildlife Service.
8. Public lecture. Maslo, B. 2015. Managing beach-nesting birds as a strategy for coastal resiliency. Monmouth County Audubon Society, Fair Haven, NJ.
9. Public lecture. Maslo, B. and T. Pover. 2015. Why managing beach-nesting birds increases coastal resiliency. Minervas by the Sea Bed and Breakfast, Barnegat Light, NJ.
10. Public lecture. Maslo, B. and T. Pover. The piping plover: Recent research on the impact of Hurricane Sandy in New Jersey and on migration and wintering in the Bahamas. Long Beach Island Foundation of Arts and Sciences, Science Saturdays, Long Beach Township, NJ.

11. Public lecture. Maslo, B. 2015. Resolving conflicts between beach-nesting birds and coastal residents. Jacques Cousteau National Estuarine Research Reserve, Tuckerton, NJ.
12. Research summary. Maslo, B. 2015. The role of bats in controlling brown marmorated stink bugs. Conservation Innovation Grant Information Meeting, USDA-NRCS,
13. Departmental Seminar. Maslo, B. 2014. The importance of bats, and the threats they face from white-nose syndrome. Brookdale Community College, Department of Biology.
14. Symposium address. Maslo, B. 2014. Evidence-based framework for protecting beach-nesting bird habitat in the wake of severe coastal storms. 68<sup>th</sup> Annual Conference of the Southeastern Association of Fish and Wildlife Agencies, Destin, FL.
15. Symposium address. Maslo, B. 2013. Habitat restoration alternatives for shorebirds: Refining the design parameters. Society of Ecological Restoration – Mid-Atlantic Chapter Field Meeting, Cape May, NJ.
16. Symposium address. Maslo, B. 2012. Modeling foraging behavior of piping plovers to evaluate habitat restoration success. The Wildlife Society – NJ Chapter Spring Meeting, Jackson, NJ.
17. Symposium address. Maslo, B. 2010. Practical guidelines for restoring Atlantic Coast piping plover nesting habitat. United States Fish and Wildlife Service Piping Plover and Least Tern Workshop, Shepherdstown, WV.
18. Symposium address. Maslo, B. 2009. Evaluating 10 years of predator exclusion methods for NJ piping plovers. New Jersey Beach-nesting Bird Partners Meeting, Tuckerton, NJ.

#### Submitted talks/posters

1. <sup>P</sup>Gignoux-Wolfsohn, S., M. Pinsky, and B. Maslo. 2017. Are bat populations infected with white-nose syndrome undergoing rapid natural selection? A preliminary report. Annual Meeting of the Northeast Bat Working Group, Amherst, MA.
2. Maslo, B., <sup>G</sup>O.C. Stringham, <sup>U</sup>A. Bevan, M. Hall, A. Brumbaugh, and C. Sanders. 2017. A tale of two bats: Comparison of infected little brown and Indiana bat survival in the years following white-nose syndrome. Annual Meeting of the Northeast Bat Working Group, Amherst, MA.
3. <sup>P</sup>Gignoux-Wolfsohn, S., M. Pinsky, and B. Maslo. 2017. Are bat populations infected with white-nose syndrome undergoing rapid natural selection? Third New York Area Population Genomics Workshop, New York, NY.
4. Maslo, B., <sup>G</sup>O.C. Stringham, <sup>U</sup>A. Bevan, A. Brumbaugh, and C. Sanders. 2016. Survival of Indiana bats infected with white-nose syndrome and its implications for population recovery. 46<sup>th</sup> Annual North American Society of Bat Researchers, San Antonio, TX.
5. Kerwin, K., <sup>U</sup>L. Tsen, <sup>U</sup>M. Arias, <sup>U</sup>A. Bevan, <sup>B</sup>Schumm, and B. Maslo. 2016. A systematic review of roost-site characteristics of forest-dwelling bats affected by white-nose syndrome. 72<sup>nd</sup> Annual Conference of the Northeast Association of Fish and Wildlife Agencies, Annapolis, MD.
6. Maslo, B., J. Bergstrom, T. Pontius-Courtney, <sup>U</sup>B. Schumm, and C. Obropta. 2016. Increasing storm resiliency in urban areas through ecological restoration and design. Northeast Regional Urban Extension Conference, Newark, NJ.
7. Maslo, B., <sup>G</sup>K. Leu, and T. Pover. 2016. Evaluating changes to beach-nesting bird habitat as a result of Superstorm Sandy. 72<sup>nd</sup> Annual Conference of the Northeast Association of Fish and Wildlife Agencies, Annapolis, MD.

8. Maslo, B., <sup>G</sup>K. Leu, and T. Pover. 2016. Identifying newly created habitat after Superstorm Sandy. United States Fish and Wildlife Service Piping Plover and Least Tern Workshop, Shepherdstown, WV.
9. Maslo, B., J.L. Lockwood, D. Bushek, and J. Burger. 2016. Identifying potential impacts of intertidal oyster aquaculture on foraging red knots in Delaware Bay. The Wildlife Society – NJ Chapter Spring Meeting, Upper Freehold, NJ.
10. Maslo, B. 2015. Restoration opportunities to increase habitat availability for beach-nesting Birds. NJ Piping Plover Coordinators Meeting, Tuckahoe, NJ.
11. Maslo, B., <sup>G</sup>R. Valentin, <sup>G</sup>K. Leu, K. Kerwin, <sup>U</sup>A. Bevan, G.C. Hamilton, N.H. Fefferman, and D.M. Fonseca. 2015. *ChiroSurveillance*: The use of native bats to detect invasive agricultural pests, 45<sup>th</sup> Annual North American Society of Bat Researchers, Monterey, CA.
12. Maslo, B., <sup>G</sup>R. Valentin, <sup>G</sup>K. Leu, K. Kerwin, <sup>U</sup>A. Bevan, G.C. Hamilton, N.H. Fefferman, and D.M. Fonseca. 2015. *ChiroSurveillance*: Using native bats to detect brown marmorated stink bugs. Brown Marmorated Stink Bug Working Group Meeting, College Park, MD.
13. Maslo, B. and N.H. Fefferman. 2014. The evolutionary rescue potential for bats infected with white-nose syndrome. 44<sup>th</sup> Annual North American Society for Bat Research Symposium, Albany, NY.
14. Maslo, B., M. Valent, J.F. Gumbs, and W.F. Frick. 2014. Short-term management of bat populations infected with white-nose syndrome. United States Fish and Wildlife White-nose Syndrome Workshop, St. Louis, MO.
15. Maslo, B. and N.H. Fefferman. 2014. Management implications for the potential evolutionary impacts of white-nose syndrome in infected bat populations. The Wildlife Society Annual Meeting, Pittsburgh, PA.
16. Maslo, B. and T. Pover. 2014. Rapid response protocol for protecting newly created beach habitat after severe coastal storms. The Wildlife Society – NJ Chapter Fall Meeting, Jackson, NJ.
17. Maslo, B., M. Valent, J.F. Gumbs, and W.F. Frick. 2014. Implications of post white-nose syndrome survival on population viability of little brown bats. 99<sup>th</sup> Annual Meeting of the Ecological Society of America, Sacramento, CA.
18. Maslo, B., <sup>G</sup>K. Leu, and J.L. Lockwood. 2014. Land ownership patterns associated with declining forest species in New Jersey. Joint meeting of The Wildlife Society – NJ Chapter and the Society of American Foresters, Oak Ridge, NJ.
19. Maslo, B., M. Valent, and J.F. Gumbs. 2013. Survival of little brown bats (*Myotis lucifugus*) in the wake of white-nose syndrome. Northeast Bat Working Group Meeting, Clinton, NJ.
20. Maslo, B. and S.N. Handel. 2012. Enhancing the design of public parks through ecological restoration. Presented to the Calgary Land Municipal Trust, Calgary, AB, Canada.
21. Maslo, B., T. Pover, and S.N. Handel. 2011. Practical methods for evidence-based wildlife habitat restoration design. 4<sup>th</sup> International World Conference on Ecological Restoration, Society of Ecological Restoration International Merida, Mexico.
22. Maslo, B., T. Pover, S.N. Handel, and J. Burger. 2010. Modeling foraging behavior to evaluate restoration success for the federally threatened Atlantic Coast piping plover. Restore America's Estuaries National Conference. Galveston, Texas.



23. Handel, S.N. and B. Maslo. 2010. Ecological benefits of restoration of inland urban wetlands. Presented to the City of Villahermosa Engineering Board. Villahermosa, Tabasco, Mexico.
24. Maslo, B., T. Pover, and S.N. Handel. 2010. Restoring beaches for Atlantic Coast piping plovers (*Charadrius melodus*): A CART analysis of nest-site selection. Society of Ecological Restoration Mid-Atlantic Chapter Annual Meeting, New Brunswick, New Jersey.
25. Maslo, B. and J.L. Lockwood. 2009. Evidence-based decisions on the use of predator enclosures in shorebird conservation. Annual Meeting of The Waterbird Society, Cape May, NJ.

#### Extension Programs/Presentations

1. Maslo, B. 2017. An overview of deer management for soybean agriculture. The 6<sup>th</sup> Annual Soybean Producers Meeting, Bordentown, NJ.
2. Maslo, B. and K. Kerwin. 2017. Ernie Oros Wildlife Preserve Bioblitz, Avenel, NJ.
3. Kerwin, K. and B. Maslo. 2017. Backyard wildlife management. Passaic County Master Gardeners Program, Wayne, NJ.
4. Kerwin, K. and B. Maslo. 2017. Improving backyards for wildlife. Essex County Master Gardeners Program, Roseland, NJ.
5. Maslo, B., K. Kerwin, <sup>U</sup>B. Schumm, <sup>U</sup>J. Ray, <sup>U</sup>E. Gilardi, and <sup>P</sup>S. Gignoux-Wolfsohn. 2017. Youth Bat Education Program, Byram Township, NJ.
6. Kerwin, K. and B. Maslo. 2016. The facts about bats in New Jersey. NJ Certified Animal Control Officers Association – Central Regional Meeting, Marlboro, NJ.
7. Maslo, B., K. Kerwin, <sup>U</sup>B. Schumm, and <sup>G</sup>N. Henshue. 2016. Bat house building day: A volunteer-based workshop to construct 77 bat houses for distribution across New York, New Jersey, and Pennsylvania, New Brunswick, NJ.
8. Maslo, B. 2016. Walks in the Woodbridge wild: A 5-part series of public nature walks at the Ernie Oros Wildlife Preserve, Woodbridge, NJ.
9. <sup>U</sup>Schumm, B. and B. Maslo. 2016. JerseySTEM: Batty about science program. Great Swamp National Wildlife Refuge, New Vernon, NJ.
10. Kerwin, K. and B. Maslo. 2016. Bats in your woods. Annual Spring Forest Management and Stewardship Program Series, Newton, NJ.
11. <sup>G</sup>Henshue, N., O. LeWarn, and B. Maslo. 2016. Bat education program. Rutgers 4H Science Saturdays, New Brunswick, NJ.
12. Kerwin, K. and B. Maslo. 2016. Managing backyard habitat for wildlife. Cumberland County Master Gardeners Program, Millville, NJ.
13. <sup>U</sup>Bevan, A. and B. Maslo. 2016. Backyard wildlife management. Passaic County Master Gardeners Program, Wayne, NJ.
14. Kerwin, K. and B. Maslo. 2016. Bat management strategies for agricultural landscapes. South Jersey Commercial Tree Fruit Grower Meeting, Bridgeton, NJ.
15. Kerwin, K. and B. Maslo. 2016. Trees and shrubs for wildlife. Rutgers Cooperative Extension Backyard Forestry in 90 Minutes Program, Jackson, NJ.
16. Maslo, B. 2016. Bat standards compliant training. Joint professional education course between Rutgers Cooperative Extension and the National Wildlife Control Operators Association. Rutgers University, New Brunswick, NJ.

17. Maslo, B. 2015. Bat exclusions in New Jersey. NJ Pest Control Association Annual Meeting, Rutgers University, New Brunswick, NJ.
18. <sup>G</sup>Henshue, N., <sup>U</sup>A. Bevan, and B. Maslo. 2015. Bat education program. Rutgers 4H Science Saturdays, New Brunswick, NJ.
19. Maslo, B. 2015. Information session on red knot/aquaculture research on Delaware Bay. NJ Oyster Growers Forum, Cape May Court House, NJ.
20. Maslo, B. 2014. Management of wildlife damage for gardens and landscape plantings. Passaic County Master Gardener Course, Totowa, NJ.
21. Maslo, B. 2014. Why we should promote wildlife habitat on our properties. Passaic County Master Gardener Course, Totowa, NJ.
22. Maslo, B. 2014. Bats are cool! Educational lesson and field trip, Liberty Lake Day Camp, Columbus, NJ.
23. Maslo, B. 2014. Native plant recommendations Sourland Mountain Preserve restoration project. Sourland Conservancy, Hillsborough, NJ.
24. Maslo, B. 2013. Ecological and economic benefits of increasing wildlife habitat on residential and corporate landscapes. Cumberland County Master Gardener Course, Millville, NJ.
25. Maslo, B. and <sup>G</sup>K. Leu. 2013. Echolocation in bats. Rutgers 4H Science Saturdays, New Brunswick, NJ.
26. Maslo, B. 2012. Ecosystem services and their link to biodiversity. Gloucester County Master Gardeners Program, Bridgeton, NJ.
27. Maslo, B. 2012. Creating sustainable landscapes for the benefit of wildlife. Sussex County Master Gardeners Course, Newton, NJ.
28. Maslo, B. 2012. Nature wars: The clash between the conservation and management of wildlife populations in New Jersey. Annual meeting of the NJ Agricultural Experiment Station Board of Directors, Bordentown, NJ.
29. Maslo, B. 2012-ongoing. *Got bats?* initiative to resolve bat-human conflict through partnerships with state and federal wildlife agencies, nuisance wildlife control officers, and residents.

*Mentored*<sup>P</sup> *postdoc*, *G*<sup>G</sup> *graduate student*, *U*<sup>U</sup> *undergraduate*

## PROFESSIONAL SERVICE

### Reviewing

- Editorial board. *Ecosphere* (2014-present)
- Editorial board. *Urban Naturalist* (2014-present)
- Referee for manuscripts submitted to *Biological Conservation*, *Conservation Letters*, *Biodiversity and Conservation*, *Diversity and Distributions*, *Marine Ecology*, *BMC Veterinary Research*, and *Waterbirds*.

### Research Networks and Working Groups

- Expert. Best management practices for evaluating and managing shorebird disturbance during fall migration on coastal lands. United States Fish and Wildlife Service. (2017)
- Expert. NJ Division of Fish and Wildlife Bird Status Review. (2016)
- Member. White-nose Syndrome Conservation and Recovery Working Group, United States Fish and Wildlife Service. (2014-present)

- Member. White-Nose Syndrome State/Federal/Tribal/ Stakeholder Working Group, United States Fish and Wildlife Service. (2014-present)
- Expert Panel Member. Assessment of the Vulnerability of New Jersey's Habitat and Wildlife to Climate Change. New Jersey Department of Environmental Protection.

#### University Service

- Chair, Graduate Admissions Committee. Graduate Program in Ecology and Evolution, Rutgers University (2016-present)
- Diversity Advocate, Faculty Search Committee. Department of Entomology, Rutgers University (2016)
- Faculty Advisor. The Wildlife Society – Rutgers Student Chapter. (2015-present)
- Committee member. Curriculum Affairs Committee. Department of Ecology, Evolution and Natural Resources, Rutgers University (2015)
- Committee member. Development of guidelines for teaching loads. Department of Ecology, Evolution and Natural Resources, Rutgers University (2015)
- Committee member. *ad hoc* Graduate Admissions Committee. Graduate Program in Ecology and Evolution, Rutgers University (2015)

### **TEACHING & MENTORING**

#### Courses Taught

Practical Experience in Ecology (2012-present)

Wildlife Ecology and Conservation (2012-present)

Research Problems in Ecology, Evolution and Natural Resources (2012-present)

Animal Behavior (2010-2015)

#### Postdoctoral Research Associates

Sarah Gignoux-Wolfsohn (2016-present)

#### Ph.D. Students

Evan Drake (beginning Fall 2017)

#### M.S. Students

Karen Leu (2014-2016, The Nature Conservancy)