

Brooke Maslo, Ph.D.

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General Information

Assistant Extension Specialist
Ecology, Evolution and Natural Resources
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Education

<u>Institution</u>	<u>Degree</u>		<u>Year</u>
University of Maryland	BS	Biological Resources Engineering	2001
Rutgers University	Ph.D.	Ecology and Evolution	2010

Employment History

2015 - pres.	Assistant Extension Specialist, Department of Ecology, Evolution and Natural Resources, Rutgers University
2012 - 2015	Assistant Research Professor, Ecology, Evolution and Natural Resources, Rutgers University
2011 - 2012	Managing Editor, <i>Ecological Restoration</i> , University of Wisconsin Press
2010 - 2012	Research Specialist, Center for Urban Restoration Ecology, Rutgers University
2010 - 2012	Senior Ecologist, Green Shield Ecology, Inc., Bridgewater, NJ
2010 -2012	Adjutant Faculty, Ecology, Evolution and Natural Resources, Rutgers University

Awards and Honors

- 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.
- 2017 Outstanding Floodplain Management Award for *Woodbridge Township Open Space and Floodplain Restoration Plan*. New Jersey Association of Floodplain Managers.
- 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.

Translational Activities

Director – Wildlife Conservation and Management Program, Rutgers Cooperative Extension, Rutgers University. www.wildlife.rutgers.edu.

Organizer – *Global Ocean Beaches (GLOBE) Network*, a team of international experts across concentrating on research and conservation of ocean beach ecosystems.

Participant – *White-nose Syndrome Conservation and Recovery Working Group*. United States Fish and Wildlife Service.

Expert Panel Member – *Transforming Buyouts of Flood Prone Property: An Expert Workshop*. The Pew Charitable Trusts.

Leader - *Got bats?* initiative to resolve bat-human conflict through partnerships with state and federal wildlife agencies, nuisance wildlife control officers, and residents in the NY-NJ area.

Science Advisor - *Best management practices for evaluating and managing shorebird disturbance during fall migration on coastal lands*. United States Fish and Wildlife Service.

Science Advisor – *Bird Status Review*. NJ Division of Fish and Wildlife.

Science Advisor – *Red knot conservation*. United States Fish and Wildlife Service.

Member - *White-Nose Syndrome State/Federal/Tribal/ Stakeholder Working Group*. United States Fish and Wildlife Service. Expert Panel Member.

Expert Panel Member - *Assessment of the Vulnerability of New Jersey's Habitat and Wildlife to Climate Change*. New Jersey Department of Environmental Protection.

Member – *Rutgers Climate Institute*. Rutgers University.

Advisory Committee Member - Woodbridge Township. Program for Public Information, Federal Emergency Management Agency.

Member – Institute for Quantitative Biomedicine Communication (Mis)Information Working Group, Rutgers University.

Journal Editorial Positions

2014 – pres. Subject Matter Editor, *Ecosphere*

2014 – pres. Editorial Board, *Urban Naturalist*

Books

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

Peer-Reviewed Journal Articles

Mentored ^Ppostdoc, ^Ggraduate student, ^Uundergraduate

R = in review or revision

- 33R. ^PEskew, E.A., D. Fraser, M.J. Vonhof, M.L. Pinsky and **B. Maslo**, *submitted*. Host gene expression responses in wildlife disease: making sense of null results. *Molecular Ecology*.
- 32R. ^PGignoux-Wolfsohn, S., M.L. Pinsky, K. Kerwin, C. Herzog, M. Hall, A. Bennett, N.H. Fefferman and **B. Maslo**, *in revision*. Genomic signatures of selection in bats surviving white-nose syndrome. *Molecular Ecology*.
- 31R. Henderson, C.J., B.L. Gilby, A.D. Olds, J. Mosman, R.M. Connolly, G. Hyndes, B. Kelaher, **B. Maslo**, A. Rowden, A. Williams and T.A. Schlacher, *in review*. Connectivity shapes functional diversity and maintains complementarity in surf zones on exposed coasts. *Marine Environmental Research*.
- 30R. Stantial, M., J. Cohen, A. Darrah, S. Farrell and **B. Maslo**, *in review*. Mesopredator release by a top carnivore affects best management practices for an endangered shorebird. *Journal of Applied Ecology*.
29. Stantial, M., J. Cohen, A. Darrah, S. Farrell and **B. Maslo**. 2020. Red fox habitat use in landscapes with nesting endangered shorebirds. *Journal of Wildlife Management*. 1–12; 2020; DOI: 10.1002/jwmg.21949
28. **Maslo, B.**, D. Bushek, J.C. Burkhalter, ^UT. Yuhas, ^UB. Schumm, J. Burger and J.L. Lockwood. 2020. Assessing conservation conflict: to what extent does intertidal oyster aquaculture inhibit foraging of migratory shorebirds? *Ecosphere* 11(5):e03097.
27. Kimber, O., B.L. Gilby, C.J. Henderson, A.D. Olds, M.J. Bishop, **B. Maslo**, M.A. Weston, R.M. Connolly, A. Rowden, and T.A. Schlacher. 2020. The fox and the beach: coastal landscape topography and urbanisation predict the distribution of an invasive carnivore at the edge of the sea. *Global Ecology and Conservation*: e01071.
26. ^UArias, M., ^PS. Gignoux-Wolfsohn, K. Kerwin and **B. Maslo**. 2020. Factors influencing bat occupancy of artificial roost boxes in New Jersey. *Northeast Naturalist* 27(2):201-214.
25. ^GDrake, E.C., ^PS. Gignoux-Wolfsohn and **B. Maslo**. 2020. Systematic review of the roost-site characteristics of North American forest bats: Implications for conservation. *Diversity* 12(2):76.

24. **Maslo, B.**, S.L. Zeigler, [¶]E.C. Drake, T. Pover and N.G. Plant. 2020. A pragmatic approach for comparing species distribution models to increase confidence in managing piping plover habitat. *Conservation Science and Practice* 2.2:e150.
23. Schlacher, T.A., B.L. Gilby, A.D. Olds, C.J. Henderson, R.M. Connolly, C.H. Peterson, C.M. Voss, **B. Maslo**, M.A. Weston, M.J. Bishop and A. Rowden. 2019. Key ecological function peaks at the land-ocean transition zone when vertebrate scavengers concentrate on ocean beaches. *Ecosystems*. <https://doi.org/10.1007/s10021-019-00445-y>
22. **Maslo, B.**, [¶]K. Leu, T. Pover, M.A. Weston, B.L. Gilby and T.A. Schlacher. 2019. Optimizing conservation benefits for threatened beach fauna following severe natural disturbances. *Science of the Total Environment* 649:661-671.
21. **Maslo, B.**, [¶]K. Leu, T. Pover, M.A. Weston and T.A. Schlacher. 2018. Managing birds of conservation concern on sandy shores: How much room for future conservation actions is there? *Ecology and Evolution* 8(22):10976-10988.
20. Bingham, E.L., B.L. Gilby, A.D. Olds, M.A. Weston, R.M. Connolly, C.J. Henderson, **B. Maslo**, C.F. Peterson, C.M. Voss and T.A. Schlacher. 2018. Functional plasticity in vertebrate scavenger assemblages in the presence of introduced competitors. *Oecologia* 188:583-593.
19. **Maslo, B.**, [¶]O. Stringham, [¶]A. Bevan, M. Hall, A. Brumbaugh, C. Sanders and N.H. Fefferman. 2017. High annual survival in infected wildlife populations may veil a persistent extinction risk from disease. *Ecosphere* 8(12):e02001.
18. Schlacher, T.A., B.M. Hutton, B.L. Gilby, N. Porch, 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* 191:28-38.
17. **Maslo, B.**, [¶]S. Gignoux-Wolfsohn and N.H. Fefferman. 2017. Success of wildlife disease treatment depends on host immune response. *Frontiers in Ecology and Evolution* 5:28.
16. **Maslo, B.**, [¶]R. Valentin, [¶]K. Leu, K. Kerwin, [¶]A. Bevan, G. Hamilton, N.H. Fefferman and D.M. Fonseca. 2017. ChiroSurveillance: The use of native bats to detect invasive agricultural insect pests. *PLoS One* 12(3):e0173321.

15. **Maslo, B.**, ^GK. Leu, ^GC. 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.
14. **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.
13. 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.
12. Cohen, J., A. Hecht, K.F. Robinson, E.E. Osnas, A.J. Tyre, C. Davis, A. Kocek, **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.
11. ^GValentin, 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.
10. 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.
9. ^GBurkhalter, J.C., J.L. Lockwood, **B. Maslo**, K.H. Fenn and ^GK. Leu. 2016. Effects of cost metric on cost-effectiveness of protected area network design in urban landscapes. *Conservation Biology* 30:403-412.
8. Schlacher, T.A., S. Lucrezi, R.M. Connolly, C.H. Peterson, B.L. Gilby, **B. Maslo**, S.J. Walker, J.X. Leon, C.M. Huijbers, M.A. Weston, A. Turra, G.A. Hyndes, R.A. Holt and D.S. Schoeman. 2016. Human threats to sandy beaches: A meta-analysis of ghost crabs illustrates global anthropogenic impacts. *Estuarine, Coastal and Shelf Science* 169:56-73.

7. **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.
6. **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.
5. **Maslo, B.**, J.L. Lockwood and ^GK. Leu. 2015. Land ownership patterns associated with declining northeastern forest birds. *Environmental Conservation* 42:216-226.
4. 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.
3. **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.
2. **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.
1. **Maslo, B.** and J.L. Lockwood. 2009. Evidence-based decisions on the use of predator exclosures in shorebird conservation. *Biological Conservation* 142:3213-3218.

Pre-prints

1. ^PGignoux-Wolfsohn, S., M.L. Pinsky, K. Kerwin, C. Herzog, M. Hall, A. Bennett, N.H. Fefferman and **B. Maslo**. 2019. Genomic signatures of evolutionary rescue in bats surviving white-nose syndrome. bioRxiv: 470294.

Funding (totaling \$2,709,168)

PI = Principal Investigator; Co-I = co-Investigator; PD = Project Director; co-D = co-Director

Grants (\$2,238,866)

\$160,113 United States Fish and Wildlife Service. Pending. *How do genetic loci under selection in *Myotis lucifugus* affect hibernation*

	<i>physiology?</i> PI, with [©] Robert Kwait (co-I), Craig K.R. Willis (co-I) and Carl Herzog (co-I)
\$377,728	PS&S Integrated Services. Pending. <i>Impact of solar fields on endangered wildlife</i> . PI.
\$53,786	United States Fish and Wildlife Service. 2020-2022 <i>Ecology and habitat use of red foxes in coastal ecosystems</i> . PI, with [©] Christian Crosby (co-I).
\$137,000	New Jersey Sea Grant. 2020-2022. <i>Spatial and temporal patterns in shorebird distribution in relation to horseshoe crab eggs</i> . Co-I, with Daphne Munroe (PI) and David Bushek (co-I).
\$42,500	National Park Service. 2020-2022. <i>Habitat use and foraging ecology of white-nose syndrome affected bats in Morristown National Historical Park</i> . PI.
\$87,107	New Jersey Department of Environmental Protection. 2020-2021. <i>Beyond acquisition & demolition – a community primer for ecological restoration of flood prone landscapes</i> . PI, with Jeremiah Bergstrom (co-I).
\$64,535	USDA-NIFA McIntire-Stennis Forestry Research Program. 2019-2022. <i>ChiroSurveillance: Using molecular methods to examine the role of bats in the early detection of forest pests</i> . PI.
\$180,000	United States Fish and Wildlife Service. 2019-2021. <i>Predicting genomic vulnerability of North American Myotis to white-nose syndrome</i> . PI, with Malin Pinsky (co-I), Maarten Vonhof (co-I) and Brooke Hines (co-I).
\$23,696	Wildlife Management Institute. 2019. <i>Using whole-room sanitization technology to safely and effectively treat infected hibernacula with ultraviolet light</i> . PI, with [©] Robert Kwait (co-I).
\$226,654	New Jersey Department of Environmental Protection. 2019-2021. <i>Beach-nesting bird habitat restoration at Barnegat Light, NJ</i> . PI, with Todd Pover (co-I).
\$175,066	National Fish and Wildlife Foundation. 2019-2021 <i>Climate resiliency plan for the Woodbridge River floodplain</i> . PI, with Jeremiah Bergstrom (co-I) and Christopher Obropta (co-I).

- \$24,323 The Eppley Foundation. 2018. *Investigating expression quantitative trait loci in bats surviving White-nose syndrome*. PI, with Malin Pinsky (co-I).
- \$60,212 National Park Service. 2018-2020. *Monitoring and management of white-nose syndrome affected bats in Morristown National Historical Park*. PI.
- \$39,914 Wildlife Management Institute. 2017. *Identifying genomic signatures of selection in multiple bat host species*. PI, with P^hSarah Gignoux-Wolfsohn (co-I), Malin Pinsky (co-I) and Brooke Hines (co-I).
- \$7,028 United States Fish and Wildlife Service. 2017. *Piping plover habitat model synthesis*. PI.
- \$8,311 Animal Welfare Institute. 2016. *Provisioning of roost structures to minimize negative impacts to bats evicted from homes*. PI.
- \$130,000 New Jersey Sea Grant. 2016-2018. *Identifying the impacts of commercial oyster aquaculture on foraging behavior of red knots in Delaware Bay*. PI, with Julie Lockwood (co-I), David Bushek (co-I) and Joanna Burger (co-I).
- \$70,208 USDA – NRCS Conservation Innovation Grant. 2016-2019. *Bats as tools for the early detection of agricultural pests*. PI, Jeff Foster (co-I).
- \$12,287 NJ Division of Fish and Wildlife. 2016. *Habitat selection of northern long-eared bats*. PI.
- \$292,804 United States Fish and Wildlife Service. 2015-2017. *Are bat populations with white-nose syndrome undergoing rapid natural selection?* PI, with Malin Pinsky (co-I) and Nina Fefferman (co-I).
- \$21,221 Wildlife Management Institute. 2015. *Survival of Indiana bats after white-nose syndrome and its implications for population recovery*. PI, with Chris Sanders (co-I).
- \$40,000 New Jersey Department of Environmental Protection. 2015-2016. *Effects of Oyster Aquaculture on Foraging Shorebirds on Delaware Bay*. PI, with Julie Lockwood (co-I), David Bushek (co-I) and Joanna Burger (co-I).
- \$21,986 National Fish and Wildlife Foundation. 2015-2016. *Identifying the impacts of commercial oyster aquaculture on foraging efficiency*

of red knots in Delaware Bay. PI, with Julie Lockwood (co-I), David Bushek (co-I) and Joanna Burger (co-I).

\$105,000 United States Fish and Wildlife Service. 2014-2016. *Protection of critical beach-nesting bird habitats in the wake of severe coastal storms*. PI, with Todd Pover (co-I).

\$37,500 USDA-NRCS Conservation Innovation Grant. 2014-2017. *Analyzing bat guano for agricultural pests to reduce brown marmorated stink bug populations and improve bat habitat on New Jersey farms*. PI.

Contracts (\$463,802)

\$10,500 Conserve Wildlife Foundation of New Jersey. Pending. *Beach-nesting bird habitat management in Monmouth County*. PD, with Kathleen Kerwin (co-D).

\$100,000 Woodbridge Township. 2020-2021. *Woodbridge Township greenway plan*. PD, with Jeremiah Bergstrom (co-D).

\$6,410 GeoSyntec, Inc. 2020. *Wildlife monitoring at Old York Road, Burlington, NJ*. PD, with Kathleen Kerwin (co-D).

\$55,065 Conserve Wildlife Foundation of New Jersey. 2019-2020. *Invasive species management to increase habitat availability for endangered shorebirds*. PD.

\$2,000 Borough of Oradell. 2019. *Urban coyote survey*. PD, with Kathleen Kerwin (co-D).

\$6,265 GeoSyntec, Inc. 2019. *Wildlife Monitoring at Old York Road, Burlington, NJ*. PD, with Kathleen Kerwin (co-D).

\$100,249 Woodbridge Township. 2018-2019. *Technical assistance for resilience planning*. PD, with Jeremiah Bergstrom (co-D).

\$11,000 Borough of Pompton Lakes. 2018-2019. *Climate adaptation plan for the Borough of Pompton Lakes*. Co-D with Jeremiah Bergstrom (PD).

\$5,248 GeoSyntec, Inc. 2017. *Wildlife and vegetation monitoring of restored industrial site, Burlington, NJ*. PD.

\$80,000 Woodbridge Township. 2017-2018. *Floodplain and open space restoration implementation*. PD, with Jeremiah Bergstrom (co-D).

- \$8,000 Borough of Sayreville. 2016-2017. *Floodplain restoration plan*. Co-D with Jeremiah Bergstrom (PD).
- \$49,875 Woodbridge Township. 2015-2016. *Landscape planning and public education services*. PD, with Jeremiah Bergstrom (co-D).
- \$26,600 Conserve Wildlife Foundation of New Jersey. 2015-2016. *Habitat restoration plan for threatened and endangered beach-nesting birds in Barnegat Light, NJ*. PD, with Jeremiah Bergstrom (co-D) and Christopher Obropta (co-D).
- \$2,590 GeoSyntec, Inc. 2014. *Wildlife and vegetation monitoring of restored industrial site, Burlington, NJ*. PD.

Internal (\$6,500)

- \$2,250 Rutgers Research Council Award. 2019. *A synecological approach to ecosystem epidemiology: Predator effects on disease diversity among prey species*. PI.
- \$500 Rutgers Global International Travel Grant. 2018. *Present at the VIII International Sandy Beach Symposium, Heraklion, Crete*.
- \$750 Rutgers Research Council Award. 2017. *Subvention: Maslo, B.,^{PS} Gignoux-Wolfsohn and N.H. Fefferman. 2017. Success of wildlife disease treatment depends on host immune response. *Frontiers in Ecology and Evolution* 5:28.*
- \$3,000 Faculty Resource Development Grant. 2012. Awarded to convert an existing academic course for hybrid delivery.

Book Chapters

4. **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.
3. 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.
2. 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.

1. 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.

Professional Presentations

Mentored ^Ppostdoc, ^Ggraduate student, ^Uundergraduate

Keynote

- 2019 Montclair, NJ. American Society of Civil Engineers, NJ Chapter Annual Meeting. *Collaboration in shaping resilient landscapes for the future*.
- 2018 Heraklion, Crete. Wildlife on sandy beaches creates arenas for testing ecological concepts and conservation tools. VIII International Sandy Beach Symposium.

Invited

- 2020 Shepherdstown, WV. *Modeling piping plover habitat suitability: Congruence among modeling approaches?* Symposium address, USFWS Piping Plover and Least Tern Workshop.
- 2020 Shepherdstown, WV. *Impacts of recreation management on beach-nesting bird habitat availability*. Symposium address, USFWS Piping Plover and Least Tern Workshop.
- 2019 Bronx, NY. *Can pathogens shape the potential for evolutionary rescue in host populations?* Invited Seminar, Fordham University, Department of Biological Sciences.
- 2019 National Call. *Genomic signatures of a soft selective sweep in *Myotis lucifugus* after emergence of white-nose syndrome*. Invited presentation, White-nose Syndrome National Stakeholders Call, United States Fish and Wildlife Service.
- 2018 Tuckerton, NJ. *Abundance and foraging rates of migratory shorebirds in response to oysterculture in Delaware Bay*. Invited Presentation, Red Knot Aquaculture Stakeholder Meeting.
- 2018 Webinar. *Protocol for identifying and protecting beach-nesting bird habitat created by severe coastal storms*. Invited webinar, Piping plover and least tern recovery workshop series, United States Fish and Wildlife Service.

- 2017 Nashville, TN. *Predicting the dynamics of bat populations experiencing opposing patterns in annual survival*. Symposium address, White-nose Syndrome Workshop, Nashville, TN.
- 2017 Tuckerton, NJ. *Interaction of red knots with oyster farms*. Symposium, Advancing Shellfish Aquaculture and Red Knot Conservation in Delaware Bay, NJ.
- 2017 New Brunswick, NJ. *In the flood zone: Floodplain restoration in residential neighborhoods damaged by Superstorm Sandy*. Invited training, Society of American Foresters NJ Division Annual Training.
- 2016 Lakewood, NJ. *How bats respond to white-nose syndrome*. Invited seminar, Georgian Court University, Department of Biology Seminar Series.
- 2016 Tuckerton, NJ. *Preliminary results of research aimed at identifying the potential impacts of intertidal oyster aquaculture on foraging red knots*. Invited presentation, NJ Aquaculture Advisory Council.
- 2016 Haverford, PA. *Population-level impacts of varying host response to white-nose syndrome*. Invited seminar, Bryn Mawr College, Department of Biology Seminar Series.
- 2015 New Brunswick, NJ. *Exploring the role of bats in integrated pest management*. Invited seminar, Rutgers University, Department of Entomology Seminar Series.
- 2015 Grand Rapids, MI. *Host response to white-nose syndrome likely drives potential impacts of treatment*. Symposium, White-nose Syndrome Treatment and Management Workshop.
- 2015 College Park, MD. *ChiroSurveillance: Using native bats to detect brown marmorated stink bugs*. Invited presentation, USDA Brown Marmorated Stink Bug Working Group Meeting.
- 2015 National Call. *Potential evolutionary impacts of white-nose syndrome on host populations*. White-nose Syndrome National Stakeholders Call.
- 2015 Fair Haven, NJ. *Managing beach-nesting birds as a strategy for coastal resiliency*. Public lecture, Monmouth County Audubon Society.
- 2015 Barnegat Light, NJ. *Why managing beach-nesting birds increases coastal resiliency*. Public lecture, Minervas by the Sea Bed and Breakfast.
- 2015 Long Beach Township, NJ. *The piping plover: Recent research on the*

impact of Hurricane Sandy in New Jersey and on migration and wintering in the Bahamas. Public lecture, Long Beach Island Foundation of Arts and Sciences, Science Saturdays Series.

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

Contributed

- 2020 **Maslo, B.**, K. Kerwin, R. Mau, D. O'Rourke, K.L. Parise, and J.T. Foster. *Molecular analysis of bat guano provides insight into the importance of bat insectivory in agricultural landscapes.* Ecological Society of America 2020 Annual Meeting (Virtual).
- 2020 ⁶Kwait, R.E., C. Herzog, S. Padhi, J. Bennett, and **B. Maslo.** *Laboratory tests of whole-room ultraviolet sanitization as a site-level treatment of*

Pseudogymnoascus destructans. Northeast Bat Working Group Annual Meeting 2020, Saratoga Springs, NY.

- 2019 **Maslo, B.**, K. Kerwin, R. Mau, D. O'Rourke, K.L. Parise, and J.T. Foster. *Dietary patterns of big brown bats in a diverse landscape*. North American Society for Bat Research Annual Meeting, Kalamazoo, MI.
- 2019 ^GDrake, E.C., ^PS. Gignoux-Wolfsohn, and **B. Maslo**. *Systematic review of the roost-site characteristics of North American forest bats: Implications for conservation*. North American Society for Bat Research Annual Meeting, Kalamazoo, MI.
- 2019 ^GKwait, R.E., C. Herzog, S. Padhi, J. Bennett, and **B. Maslo**. *Using whole-room sanitization technology to treat infected hibernacula with ultraviolet light*. North American Society for Bat Research Annual Meeting, Kalamazoo, MI.
- 2019 Bergstrom, J., **B. Maslo**, T. Pontius-Courtney. *Extending the university's knowledge to restore floodplains: A climate resiliency program*. National Urban Extension Conference, Portland, OR.
- 2019 **Maslo, B.**, J. Bergstrom, K. Kerwin and T. Flynn. *Integrated climate resiliency planning in New Jersey municipalities*. NJ Land Rally, New Brunswick, NJ.
- 2019 ^PGignoux-Wolfsohn, S., M.L. Pinsky, K. Kerwin, C. Herzog, M. Hall, A.B. Bennett, N.H. Fefferman and **B. Maslo**. *Are bat populations infected with white-nose syndrome undergoing rapid natural selection?* Northeast Bat Working Group Annual Meeting, State College, PA.
- 2019 ^UArias, M., ^PGignoux-Wolfsohn, K. Kerwin and **B. Maslo**. *Factors influencing bat occupancy of artificial roost boxes*. Northeast Bat Working Group Annual Meeting, State College, PA.
- 2018 ^UMartinez, J., K. Kerwin and **B. Maslo**. *Acoustic detection of bats within Morristown National Historical Park*. The Garden State LSAMP/NNJ-B2B 1-th Annual STEM Research Conference, New Brunswick, NJ.
- 2018 ^UMartinez, J., K. Kerwin and **B. Maslo**. *Monitoring and management of white-nose syndrome affected bats in Morristown National Historical Park*. School of Environmental and Biological Sciences Educational Opportunity Fund: Rutgers University Research Symposium, New Brunswick, NJ.
- 2018 ^J**Maslo, B.**, ^PGignoux-Wolfsohn, S., M.L. Pinsky, K. Kerwin and N.H. Fefferman. *Evolutionary rescue of little brown bat populations infected by*

white-nose syndrome. 25th Annual Conference of The Wildlife Society, Cleveland, OH.

- 2018 ^GDrake, E., ^PS. Gignoux-Wolfsohn and **B. Maslo**. *Meta-analysis of tree-roosting bats in eastern temperate forests*. 25th Annual Conference of The Wildlife Society, Cleveland, OH.
- 2018 ^PGignoux-Wolfsohn, S., M. Pinsky, K. Kerwin, N.H. Fefferman, C. Herzog, M. Hall, A. Bennett, and **B. Maslo**. *Signatures of a soft selective sweep in remnant populations of *Myotis lucifugus**. United States Fish and Wildlife Service White-nose Syndrome Workshop, Tacoma, WA.
- 2017 **Maslo, B.**, ^PS. Gignoux-Wolfsohn, and B. Han. *Predicting susceptibility of western bat species to white-nose syndrome*. 47th National American Society of Bat Researchers, Knoxville, TN.
- 2017 **Maslo, B.**, ^GO.C. Stringham, ^UA. Bevan, M. Hall, A. Brumbaugh, and C. Sanders, and N.H. Fefferman. *Long-term dynamics of Indiana bat populations infected with white-nose syndrome*. Ecological Society of America, Portland, OR.
- 2017 ^GValentin, R., J.L. Lockwood, **B. Maslo**, and D.M. Fonseca. *Utility of eDNA in conducting surveillance of agricultural pests*. Ecological Society of America, Portland, OR.
- 2017 ^PGignoux-Wolfsohn, S., M. Pinsky, and **B. Maslo**. *Are bat populations infected with white-nose syndrome undergoing rapid natural selection?* Ecological Society of America, Portland, OR.
- 2017 **Maslo, B.**, ^UB. Schumm, D. Bushek, J.C. Burkhalter, J. Burger, and J.L. Lockwood. *Impacts of aquaculture on red knot habitat use and foraging*. Ecological Society of America, Portland, OR.
- 2017 ^PGignoux-Wolfsohn, S., M. Pinsky, and **B. Maslo**. *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.
- 2017 **Maslo, B.**, J.L. Lockwood, D. Bushek, and J. Burger. *Interactions between a threatened shorebird and oyster aquaculture in New Jersey: Do farms impact red knot habitat use and foraging?* 109th Annual Meeting, National Shellfisheries Association, Knoxville, TN.
- 2017 **Maslo, B.**, ^GO.C. Stringham, ^UA. Bevan, M. Hall, A. Brumbaugh, and C. Sanders. *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.

- 2017 ^PGignoux-Wolfsohn, S., M. Pinsky, and **B. Maslo**. *Are bat populations infected with white-nose syndrome undergoing rapid natural selection?* Third New York Area Population Genomics Workshop, New York, NY.
- 2016 **Maslo, B.**, ^GO.C. Stringham, ^UA. Bevan, A. Brumbaugh, and C. Sanders. *Survival of Indiana bats infected with white-nose syndrome and its implications for population recovery.* 46th Annual North American Society of Bat Researchers, San Antonio, TX.
- 2016 **Maslo, B.**, J. Bergstrom, T. Pontius-Courtney, ^UB. Schumm, and C. Obropta. *Increasing storm resiliency in urban areas through ecological restoration and design.* Northeast Regional Urban Extension Conference, Newark, NJ.
- 2016 Kerwin, K., ^UL. Tsen, ^UM. Arias, ^UA. Bevan, ^UB. Schumm, and **B. Maslo**. *A systematic review of roost-site characteristics of forest-dwelling bats affected by white-nose syndrome.* 72nd Annual Conference of the Northeast Association of Fish and Wildlife Agencies, Annapolis, MD.
- 2016 **Maslo, B.**, ^GK. Leu, and T. Pover. *Evaluating changes to beach-nesting bird habitat as a result of Superstorm Sandy.* 72nd Annual Conference of the Northeast Association of Fish and Wildlife Agencies, Annapolis, MD.
- 2016 **Maslo, B.**, ^GK. Leu, and T. Pover. *Identifying newly created habitat after Superstorm Sandy.* United States Fish and Wildlife Service Piping Plover and Least Tern Workshop, Shepherdstown, WV.
- 2016 **Maslo, B.**, J.L. Lockwood, D. Bushek, and J. Burger. *Identifying potential impacts of intertidal oyster aquaculture on foraging red knots in Delaware Bay.* The Wildlife Society – NJ Chapter Spring Meeting, Upper Freehold, NJ.
- 2015 **Maslo, B.** *Restoration opportunities to increase habitat availability for beach-nesting birds.* NJ Piping Plover Coordinators Meeting, Tuckahoe, NJ.
- 2015 **Maslo, B.**, ^GR. Valentin, ^GK. Leu, K. Kerwin, ^UA. Bevan, G.C. Hamilton, N.H. Fefferman, and D.M. Fonseca. *ChiroSurveillance: The use of native bats to detect invasive agricultural pests.* 45th Annual North American Society of Bat Researchers, Monterey, CA.

- 2014 **Maslo, B.** and N.H. Fefferman. *The evolutionary rescue potential for bats infected with white-nose syndrome*. 44th Annual North American Society for Bat Research Symposium, Albany, NY.
- 2014 **Maslo, B.**, M. Valent, J.F. Gumbs, and W.F. Frick. *Short-term management of bat populations infected with white-nose syndrome*. United States Fish and Wildlife White-nose Syndrome Workshop, St. Louis, MO.
- 2014 **Maslo, B.** and N.H. Fefferman. *Management implications for the potential evolutionary impacts of white-nose syndrome in infected bat populations*. The Wildlife Society Annual Meeting, Pittsburgh, PA.
- 2014 **Maslo, B.** and T. Pover. *Rapid response protocol for protecting newly created beach habitat after severe coastal storms*. The Wildlife Society – NJ Chapter Fall Meeting, Jackson, NJ.
- 2014 **Maslo, B.**, M. Valent, J.F. Gumbs, and W.F. Frick. *Implications of post white-nose syndrome survival on population viability of little brown bats*. 99th Annual Meeting of the Ecological Society of America, Sacramento, CA.
- 2014 **Maslo, B.**, [©]K. Leu, and J.L. Lockwood. *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.
- 2013 **Maslo, B.**, M. Valent, and J.F. Gumbs. *Survival of little brown bats (*Myotis lucifugus*) in the wake of white-nose syndrome*. Northeast Bat Working Group Meeting, Clinton, NJ.
- 2012 **Maslo, B.** and S.N. Handel. *Enhancing the design of public parks through ecological restoration*. Calgary Land Municipal Trust, Calgary, AB, Canada.
- 2011 **Maslo, B.**, T. Pover, and S.N. Handel. *Practical methods for evidence-based wildlife habitat restoration design*. 4th International World Conference on Ecological Restoration, Society of Ecological Restoration International Merida, Mexico.
- 2010 **Maslo, B.**, T. Pover, S.N. Handel, and J. Burger. *Modeling foraging behavior to evaluate restoration success for the federally threatened Atlantic Coast piping plover*. Restore America's Estuaries National Conference. Galveston, Texas.

- 2010 Handel, S.N. and **B. Maslo**. *Ecological benefits of restoration of inland urban wetlands*. City of Villahermosa Engineering Board. Villahermosa, Tabasco, Mexico.
- 2010 **Maslo, B.**, T. Pover and S.N. Handel. *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.
- 2009 **Maslo, B.** and J.L. Lockwood. *Evidence-based decisions on the use of predator exclosures in shorebird conservation*. Annual Meeting of The Waterbird Society, Cape May, NJ.

Extension Programs/Presentations

- 2020 Kerwin, K. and **B. Maslo**. *Creating wildlife habitat in your yard*. Rutgers Cooperative Extension Earth Day at Home Webinar Series.
- 2020 Hall, M., K. Kerwin, J. Chenger and **B. Maslo**. *New Jersey Pest Management Association bat workshop*. Piscataway, NJ.
- 2019 [Ⓒ]Drake, E.C., K. Kerwin and **B. Maslo**. *Guidance for constructing and siting bat houses*. Cape May County Technical High School, Cape May Court House, NJ.
- 2019 [Ⓒ]Drake, E.C., [Ⓤ]J. Martinez, K. Kerwin and **B. Maslo**. *Bat ecology presentation and field program*. Morristown National Historical Park, Morristown, NJ.
- 2019 [Ⓒ]Drake, E.C., [Ⓤ]J. Martinez, K. Kerwin and **B. Maslo**. *Wildlife Conservation and Management Program outreach table*. Plainfield Enviro Fair, Plainfield, NJ.
- 2019 **Maslo, B.** *Youth bat education program*. Country Day School of Colts Neck. Colts Neck, NJ.
- 2019 [Ⓒ]Drake, E.C., K. Kerwin and **B. Maslo**. *Bat ecology presentation and field program*. Somerset County Environmental Education Center, Basking Ridge, NJ.
- 2019 **Maslo, B.**, [Ⓒ]J. Brown, [Ⓒ]A. Kruger, [Ⓒ]T. Christensen, [Ⓒ]E.C. Drake, [Ⓒ]R. Grunberg, [Ⓤ]J. Martinez, [Ⓤ]K. Malone and K. Kerwin. *Walks in the Woodbridge wild: A 5-part series of public nature walks*. Woodbridge, NJ.
- 2019 [Ⓒ]Drake, E.C., [Ⓤ]J. Martinez, K. Kerwin and **B. Maslo**. *Bat ecology presentation and field program*. Morristown National Historical Park, Morristown, NJ.

- 2019 Kerwin, K., [Ⓔ]E.C. Drake and **B. Maslo**. *Bat ecology and conservation*. Rutgers Environmental Stewards, Duke Farms, Hillsborough, NJ.
- 2019 **Maslo, B.**, K. Kerwin, [Ⓔ]E.C. Drake, [Ⓤ]J. Martinez, [Ⓤ]K. Malone, [Ⓤ]S. Tirgrath, [Ⓤ]C. Giaquinto and [Ⓔ]R. Kwait. *Future Farmers of America Community Service Event: Construction of 100 bat houses*. Monmouth University, West Long Branch, NJ.
- 2019 [Ⓔ]Drake, E.C., K. Kerwin and **B. Maslo**. 2019. *Bat ecology and conservation table*. Parsons Elementary STEAM Night, North Brunswick, NJ.
- 2019 [Ⓔ]Drake, E.C., [Ⓤ]J. Martinez, K. Kerwin, and **B. Maslo**. *Bat ecology and conservation table*. Conservation week event, Liberty Science Center, Jersey City, NJ.
- 2018 **Maslo, B.** *Abundance and foraging rates of migratory shorebirds in response to oysterculture in Delaware Bay*. NJ Oyster Growers Forum, Port Norris, NJ.
- 2018 Kerwin, K., [Ⓔ]R. Kwait and **B. Maslo**. *Bat ecology public program*. Cooperative Extension of Warren County, Belvidere, NJ.
- 2018 **Maslo, B.**, [Ⓔ]M. Allen, [Ⓔ]J. Perzley, [Ⓤ]T. Yuhas, [Ⓤ]J. Martinez and K. Kerwin. *Walks in the Woodbridge wild: A 5-part series of public nature walks*. Woodbridge, NJ.
- 2018 Kerwin, K and **B. Maslo**. *Ecology of New Jersey bats*. Rutgers Cooperative Extension Backyard Forestry in 90 Minutes Program. Forestry Resources Education Center, Jackson, NJ.
- 2018 [Ⓤ]Yuhas, T., [Ⓤ]J. Martinez and **B. Maslo**. *Public bat ecology and guided walk*. Schiff Nature Preserve, Mendham, NJ.
- 2018 Kerwin, K., [Ⓤ]H. Adickman and **B. Maslo**. *Rutgers Wildlife Conservation and Management Program table*. Liberty Science Center Members Night, Jersey City, NJ.
- 2018 Kerwin, K., [Ⓤ]J. Martinez and **B. Maslo**. *Guided bat walk*. Raritan Headwaters Campfire Night, Gladstone, NJ.
- 2018 Kerwin, K. and **B. Maslo**. *Bat ecology workshop*. Rutgers Environmental Stewards Program, Hillsborough, NJ.
- 2018 **Maslo, B.** *Exhibit table on bat ecology*. Bear Tavern Middle School

STEAM Fair, Ewing, NJ.

- 2018 ⁶Allen, M. and **B. Maslo**. *Shorebird ecology workshop*. Minerva's By-the-Sea Program. Edwin B. Forsythe National Wildlife Refuge, Galloway, NJ.
- 2018 Kerwin, K. and **B. Maslo**. *Managing backyard habitat for wildlife*. Cooperative Extension of Warren County's Lunch and Learn, Belvidere, NJ.
- 2018 Maslo, B. and K. Kerwin. *Floodplain restoration impacts on sustainability*. St. James Middle School, Woodbridge, NJ.
- 2018 Kerwin, K. and **B. Maslo**. *Facts about bats in New Jersey*. Harding Township Environmental Commission, Harding, NJ.
- 2017 Kerwin, K. and **B. Maslo**. *Guided sponsorship of two Eagle Scout William T. Hornaday Conservation Projects: Stewardship of urban space*. Woodbridge, NJ.
- 2017 Bergstrom, J. and **B. Maslo**. *Collaboration in shaping resilient landscapes for the future*. 2017 Meadowlands Conference. Super Storm Sandy: Five Years Later, Lyndhurst, NJ.
- 2017 **Maslo, B.** Exhibit: RCE Wildlife Conservation and Management Program. Monroe Township Green Fair, Monroe, NJ.
- 2017 Kerwin, K. and **B. Maslo**. *Managing backyard habitat for wildlife*. Monmouth County Master Gardeners Program, Freehold, NJ.
- 2017 ^USchumm, B. and **B. Maslo**. *Conserving bats in the residential landscape*. Cooperative Extension of Warren County, Belvidere, NJ.
- 2017 ^USchumm, B., ^UM. Arias and **B. Maslo**. *Youth bat education program*. North Brunswick Cub Scouts, Rutgers Gardens, New Brunswick, NJ.
- 2017 Kerwin, K., ^UB. Schumm and **B. Maslo**. *Youth bat education program*. Somerset County 4-H TOPS Camp, Bridgewater, NJ.
- 2017 ⁶Perzley, J., ⁶M. Allen, ⁶N. Henshue, ^UC. McArdle and **B. Maslo**. *Walks in the Woodbridge wild: A 5-part series of public nature walks*. Woodbridge, NJ.
- 2017 ^UGilardi, E., ^UM. Arias and **B. Maslo**. *Public bat education program*. Union County Bioblitz, Elizabeth, NJ.
- 2017 Kerwin, K. and **B. Maslo**. *Managing backyard habitat for wildlife*.

Cumberland County Master Gardeners Program, Millville, NJ.

- 2017 ^GHenshue, N. and **B. Maslo**. *Bat education program*. Rutgers 4H Science Program. Rutgers Gardens, New Brunswick, NJ.
- 2017 ^USchumm, B. and **B. Maslo**. *Enhancing bat habitat on industrial sites: lunch and learn*. Chemtura Corporation, Perth Amboy, NJ.
- 2017 **Maslo, B.** *An overview of deer management for soybean agriculture*. The 6th Annual Soybean Producers Meeting, Bordentown, NJ.
- 2017 **Maslo, B.** and K. Kerwin. *Ernie Oros Wildlife Preserve Bioblitz*. Avenel, NJ.
- 2017 Kerwin, K. and **B. Maslo**. *Backyard wildlife management*. Passaic County Master Gardeners Program, Wayne, NJ.
- 2017 Kerwin, K. and **B. Maslo**. *Improving backyards for wildlife*. Essex County Master Gardeners Program, Roseland, NJ.
- 2017 **Maslo, B.**, K. Kerwin, ^UB. Schumm, ^UJ. Ray, ^UE. Gilardi, and ^PS. Gignoux-Wolfsohn. *Youth bat education program*. Byram Township Public Schools, Byram, NJ.
- 2016 Kerwin, K. and **B. Maslo**. *The facts about bats in New Jersey*. NJ Certified Animal Control Officers Association – Central Regional Meeting, Marlboro, NJ.
- 2016 **Maslo, B.**, K. Kerwin, ^UB. Schumm, and ^GN. Henshue. *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.
- 2016 Bergstrom, J. and **B. Maslo**. *Improving Community Resiliency Against Flooding*. Sayreville Community Day, Sayreville, NJ.
- 2016 **Maslo, B.** and K. Kerwin. *Walks in the Woodbridge wild: A 5-part series of public nature walks at the Ernie Oros Wildlife Preserve*. Woodbridge, NJ.
- 2016 ^USchumm, B. and **B. Maslo**. *JerseySTEM: Batty about science program*. Great Swamp National Wildlife Refuge, New Vernon, NJ.
- 2016 Kerwin, K. and **B. Maslo**. *Bats in your woods*. Annual Spring Forest Management and Stewardship Program Series, Newton, NJ.

- 2016 ^GHenshue, N., ^UO. LeWam and **B. Maslo**. 2016. *Bat education program*. Rutgers 4H Science Saturdays, New Brunswick, NJ.
- 2016 Kerwin, K. and **B. Maslo**. *Managing backyard habitat for wildlife*. Cumberland County Master Gardeners Program, Millville, NJ.
- 2016 ^UBevan, A. and **B. Maslo**. *Backyard wildlife management*. Passaic County Master Gardeners Program, Wayne, NJ.
- 2016 Kerwin, K. and **B. Maslo**. *Bat management strategies for agricultural landscapes*. South Jersey Commercial Tree Fruit Grower Meeting, Bridgeton, NJ.
- 2016 Kerwin, K. and **B. Maslo**. *Trees and shrubs for wildlife*. Rutgers Cooperative Extension Backyard Forestry in 90 Minutes Program, Jackson, NJ.
- 2016 **Maslo, B.** *Bat standards compliant training*. Joint professional education course between Rutgers Cooperative Extension and the National Wildlife Control Operators Association. Rutgers University, New Brunswick, NJ.
- 2015 **Maslo, B.** *Bat exclusions in New Jersey*. NJ Pest Control Association Annual Meeting, Rutgers University, New Brunswick, NJ.
- 2015 ^GHenshue, N., ^UA. Bevan and **B. Maslo**. *Bat education program*. Rutgers 4H Science Saturdays, New Brunswick, NJ.
- 2015 **Maslo, B.** *Information session on red knot/aquaculture research on Delaware Bay*. NJ Oyster Growers Forum, Cape May Court House, NJ.
- 2014 **Maslo, B.** *Management of wildlife damage for gardens and landscape plantings*. Passaic County Master Gardener Course, Totowa, NJ.
- 2014 **Maslo, B.** *Why we should promote wildlife habitat on our properties*. Passaic County Master Gardener Course, Totowa, NJ.
- 2014 **Maslo, B.** *Bats are cool! Educational lesson and field trip*. Liberty Lake Day Camp, Columbus, NJ.
- 2014 **Maslo, B.** *Native plant recommendations Sourland Mountain Preserve restoration project*. Sourland Conservancy, Hillsborough, NJ.
- 2013 **Maslo, B.** *Ecological and economic benefits of increasing wildlife habitat on residential and corporate landscapes*. Cumberland County Master Gardener Course, Millville, NJ.

- 2013 **Maslo, B.** and ^GK. Leu. 2013. *Echolocation in bats*. Rutgers 4H Science Saturdays, New Brunswick, NJ.
- 2012 **Maslo, B.** *Ecosystem services and their link to biodiversity*. Gloucester County Master Gardeners Program, Bridgeton, NJ.
- 2012 **Maslo, B.** *Creating sustainable landscapes for the benefit of wildlife*. Sussex County Master Gardeners Course, Newton, NJ.
- 2012 **Maslo, B.** *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.

Technical/Extension Publications

Mentored ^P*postdoc*, ^G*graduate student*, ^U*undergraduate*

R = in review or revision

- 20R. ^UShu, K., K. Kerwin and **B. Maslo**. *In review*. Coyotes in New Jersey: History, Ecology and Management. Extension Fact Sheet FSXXXX. Rutgers, The State University of New Jersey.
- 19R. ^GCrosby, C., K. Kerwin and **B. Maslo**. 2020. Ecology and management of red foxes. Extension Fact Sheet FS1325. Rutgers, The State University of New Jersey.
18. ^GChristensen, T., K. Kerwin and **B. Maslo**. 2020. Northern copperheads in New Jersey. Extension Fact Sheet FS1320. Rutgers, The State University of New Jersey.
17. Kerwin, K. and **B. Maslo**. 2020. Ecology and management of the groundhog (*Marmota monax*). Extension Bulletin E361. Rutgers, The State University of New Jersey.
16. Kerwin, K. and **B. Maslo**. 2020. Attracting ruby-throated hummingbirds to your yard. Extension Fact Sheet FS1316. Rutgers, The State University of New Jersey.
15. **Maslo, B.**, K. Kerwin and J. Bergstrom. 2019. Borough of Pompton Lakes floodplain restoration and implementation plan. New Brunswick, NJ: Rutgers Cooperative Extension.
14. **Maslo, B.**, K. Kerwin, T. Pontius-Courtney, ^UM. Gorzniak, ^GN. Henshue and J. Bergstrom. 2017. Interpretive Signage for Ernie Oros Wildlife Preserve, Avenel, NJ.

13. **Maslo, B.**, K. Kerwin, ^UJ. Ray and J. Bergstrom. 2017. Watson-Crampton Neighborhood Forest Restoration Plan. New Brunswick, NJ: Rutgers Cooperative Extension.
12. Kerwin, K. and **B. Maslo**. 2017. Guidance for siting and installing bat roost boxes. Extension Fact Sheet FS1269. Rutgers, The State University of New Jersey.
11. **Maslo, B.** and K. Kerwin. 2017. Ecological and economic importance of bats in integrated pest management. Extension Fact Sheet FS1270. Rutgers, The State University of New Jersey.
10. **Maslo, B.**, J. Bergstrom, T. Pontius-Courtney and ^UB.K. Schumm. 2016. Woodbridge Township Open Space and Floodplain 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.**
9. **Maslo, B.** and T. Pover. 2016. Technical Report. Identification of potential beach-nesting bird habitat to be set aside in municipal beach management plans. New Brunswick, NJ: Rutgers Cooperative Extension.
8. **Maslo, B.** 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.**
7. **Maslo, B.** and ^GK. Leu. 2013. The facts about bats in New Jersey. Cooperative Extension Fact Sheet FS1207. Rutgers, The State University of New Jersey, New Brunswick, NJ.
6. **Maslo, B.** and ^UC. Lewis. 2013. Canada goose ecology and impacts in New Jersey. Extension Fact Sheet FS1214. Rutgers, The State University of New Jersey.
5. **Maslo, B.** and ^UC. Lewis. 2013. Strategies for resident Canada goose control and management in New Jersey. Extension Fact Sheet FS1217. Rutgers, The State University of New Jersey.
4. **Maslo, B.** and ^US. Wehman. 2013. Living with black bears in New Jersey. Extension Fact Sheet E345. Rutgers, The State University of New Jersey.

3. **Maslo, B.** and ^US. Wehman. 2013. An overview of white-tailed deer status and management in New Jersey. Extension Fact Sheet FS1202. Rutgers, The State University of New Jersey.
2. **Maslo, B.** 2012. The perennial meadow as an alternative to turf lawns. Landscape Stewardship Series, Center for Urban Restoration Ecology, Rutgers University.
1. **Maslo, B.** 2012. Critical plant invasives and their removal. Landscape Stewardship Series, Center for Urban Restoration Ecology, Rutgers University, New Brunswick, NJ.

Media Coverage

- 2020 Newsletter article. *Follow the science, not the headlines: Are shorebirds and horseshoe crabs impacted by aquaculture?* Daphne Munroe and David Bushek. National Shellfisheries Association Quarterly Newsletter 2020(2).
- 2020 News article. *Pompton Lakes plans to restore rivers' ecosystems to fight flooding.* David Zimmer. Northjersey.com. <https://www.northjersey.com/story/news/passaic/pompton-lakes/2020/01/31/pompton-lakes-nj-unveils-floodplain-restoration-plan-south-side/2857542001/?fbclid=IwAR3YH2ZkL0AL-4yPCmbJInQIJjTRYx2pQlx0mCEncxgSHWQcnHfBxxXPRol>
- 2019 TV interview. *In New Jersey, a slow-motion evacuation from climate change.* Ted Shaffrey. The Associated Press. https://www.nbcnewyork.com/news/local/in-new-jersey-a-slow-motion-evacuation-from-climate-change/2248073/?akmobile=y&akdevice=androidphone&sslEnabled=true&fbclid=IwAR0rHq1q_x-eKwhy7WRcd667iEkqYsapkaqMnR3NC0_P_uFSI_ONJoroPkE
- 2019 News article. *Blue Acres makes a 'good start' at removing flood-prone properties.* NJ Spotlight. <https://www.njspotlight.com/2019/10/blue-acres-makes-a-good-start-at-removing-flood-prone-properties/>
- 2019 Magazine article. *How plover chicks born in a parking lot spurred a city to make its beach safer.* Audubon Magazine.
- 2019 TV interview. *As seas continue to rise, New Jersey buys residents out of flood zones.* PBS Newshour Weekend. <https://www.pbs.org/newshour/show/as-seas-continue-to-rise-new-jersey-buys-residents-out-of-flood-zones>

- 2019 Radio interview. *New Jersey's coasts: threatened by the sea*. Deutschlandfunk (German National Public Radio). https://translate.google.com/translate?hl=en&sl=de&tl=en&u=https%3A/www.deutschlandfunk.de/klimawandel-new-jerseys-kuesten-vom-meer-bedroht.724.de.html?dram%3Aarticle_id=436093&fbclid=IwAR2DwH2BJ_bZ5mKgQXqj06BhOmLzbH0t0kZyejrVyXOVVYExuhlm4YiroyA
- 2018 Blog interview. *A new reality for plovers on the Jersey Shore*. United States Fish and Wildlife Service: Conserving the Nature of the Northeast. <https://medium.com/usfishandwildlifeservicenortheast/a-new-reality-for-plovers-on-the-jersey-shore-c5a739b61745>
- 2018 Radio interview. *After New Jersey floods: rebuild or retreat?* NPR: Science Friday.
- 2018 News article. *Proposed bird habitat near Barnegat Light awaits funding*. The Sandpaper. <https://thesandpaper.villagesoup.com/p/proposed-bird-habitat-near-barnegat-lighthouse-awaits-funding/1769991>
- 2018 News article. *Deer make the worst neighbors*. New York Times. <https://www.wral.com/deer-make-the-worst-neighbors/17745310/>
- 2018 Magazine article. *Surrendering to rising seas: coastal communities struggling to adapt to climate change are beginning to do what was once unthinkable: retreat*. Scientific American. <https://www.scientificamerican.com/article/surrendering-to-rising-seas/?previewid=B4AC698F-FEC3-4DA1-B970AA1D792D0A65>
- 2018 Radio interview. *As N.J. kills red foxes to protect shore birds, 80,000 petitioners demand killing end*. WHYY.org. <https://whyy.org/articles/as-n-j-kills-red-foxes-to-protect-shore-birds-80000-petitioners-demand-killing-end/>
- 2018 News article. *Should N.J. dog lovers panic over reports of hawks attacking pint-sized pups?* NJ Advance Media. https://www.nj.com/news/index.ssf/2018/04/are_hawk_sightings_and_at_tacks_on_pets_on_the_rise.html?_vz=rtw_top_pages%3D4874900015136
- 2018 Radio interview. *Hello, big fella! Bears waking up in New Jersey*. NJ 101.5. <http://nj1015.com/hello-big-fella-bears-waking-up-in-new-jersey/>
- 2018 Magazine article. *Spring babies*. Skylands Visitor Magazine. <http://www.njskylands.com/outdoors-spring-babies>

- 2017 Greenable Woodbridge TV Show. 30-minute interview publicizing a bioblitz run by Maslo's Wildlife Conservation and Management Program. <https://youtu.be/wMziP6KVD64>
- 2017 Online webcast. *Birds of May*. Documentary describing interactions between intertidal oyster aquaculture and threatened migratory shorebirds stopping over in Delaware Bay. <https://www.audubon.org/news/watch-birds-may-new-documentary-about-red-knots>
- 2017 News article. *Sayreville seeks to restore storm-damaged neighborhoods*. centraljersey.com.
- 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/.
- 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 the 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.

Courses Taught

Formal Courses

- 2018 – pres. Senior Capstone (undergraduate), Rutgers University
- 2012 – pres. Practical Experience in Ecology, Evolution and Natural Resources (undergraduate), Rutgers University
- 2011 – pres. Wildlife Ecology and Conservation (undergraduate/graduate), Rutgers University
- 2010 – 2015 Animal Behavior (undergraduate), Rutgers University

Other Undergraduate Teaching/Mentoring

- 2020 Price Holman, Aresty Research Assistant, Faculty Mentor. *Functional diversity of scavengers on ocean beaches.*
- 2020 Kelly Faller, George H. Cook Thesis, Advisor. *Daily torpor patters in eastern red bats.*
- 2020 Adam Sirusas, Independent Research, *Exploring RNA degradation rate as a method to determine viability of Pseudogymnoascus destructans.*
- 2020 Justin Martinez, Independent Research, *Detection of invasive spotted lanternfly in bat guano.*
- 2020 Aliya Caldwell, George H. Cook Thesis, Faculty Reader. *Microplastic ingestion by common terns (Sterna hirundo) and roseate terns (S. dougallii) breeding along the northwestern Atlantic coast*

- 2019 Tanner Yuhas, Cook H. Cook Thesis, Faculty Reader. *Dietary patterns of Indonesian orangutans.*
- 2019 Hannah Adickman, George H. Cook Thesis, Advisor. *Effect of Pseudogymnoascus destructans on the cutaneous microbiome of little brown bats.*
- 2018 Michelle Arias, George H. Cook Thesis, Advisor. *Provisioning of artificial roost structures for bats evicted from homes.*
- 2016 Brian Schumm, Independent Research. *Systematic review of big brown bat roost-site selection.*
- 2016 Leslie Tsen, Independent Research. *Systematic review of Indiana bat roost-site selection.*
- 2016 Amanda Bevan, George H. Cook Thesis, Advisor. *Survival analysis of Indiana bats infected with white-nose syndrome.*
- 2015 Rachel Sacatelli, George H. Cook Thesis, Advisor. *Species distribution model of diamondback terrapin nesting habitat along the eastern United States.*
- 2015 Elizabeth Newton, George H. Cook Thesis, Advisor. *Modeling black bear harvest scenarios to inform management decisions.*
- 2013 Chloe Lewis, Independent Research. *Canada goose ecology and impacts in New Jersey.*
- 2012 Samantha Wehman, Independent Research. *An overview of white-tailed deer status and management in New Jersey.*

Graduate Students and Post-docs

Current Students

- Erin McHale Ph.D. student. *Molecular detection of insect prey in foraging bats.*
- Tyler Christensen Ph.D. student. *Ecology and behavior of long-eared owls.*
- Christian Crosby Ph.D. student. *Ecology and management of wild canids in coastal ecosystems.*

Robert Kwait Ph.D. student. *Linking genotype to phenotype: Variable hibernation physiology in bats surviving white-nose syndrome.*

Evan Drake Ph.D. Candidate. *Landscape-level drivers of bat activity in urban areas.*

Current Graduate Committees

Danielle Brown Ph.D. Candidate. *Drivers of baleen whale range shifts in the mid-Atlantic.*

Joseph Paulin Ph.D. Candidate. *The Effects of Personal Experience and Wildlife Density on Public Attitudes Towards White-Tailed Deer, Canada Geese, and Black Bear in New Jersey.*

Former Graduate Students

Karen Leu 2016, *Composite datasets facilitate large scale conservation planning: Application of a regional distribution model to protect an imperiled turtle.* GIS Specialist, The Nature Conservancy.

Former Graduate Committees

Dr. Michelle Stantial SUNY-ESF, *Factors limiting abundance and productivity of piping plovers (*Charadrius melodus*) in New Jersey.*

Dr. Oliver Stringham Rutgers Ecology & Evolution, *Preventing biological invasions by understanding the processes leading to establishment.*

Dr. Ariel Kruger Rutgers Ecology & Evolution, *Amphibian microbial and morphological defenses against natural enemies.*

Ellen Bingham, MS University of the Sunshine Coast, *Foxy fish carcasses: How invasive carnivores can be functionally equivalent in food webs.*

Current Post-Docs

Dr. Evan Eskew (2020-present), *Genomic vulnerability of North American *Myotis* bats to white-nose syndrome.*

Former Post-Docs

Dr. Sarah Gignoux-Wolfsohn (2016-2018), *Genomic signatures of selection in bats surviving white-nose syndrome*.

Student funding and awards while under my advisement

Robert Kwait. 2020. Northeast Bat Working Group Student Travel Award, \$500.

Evan Drake. 2019. The Wildlife Society – NJ Chapter Professional Development Award, \$500.

Kiera Malone. 2019. Cookingham Scholarship. The Wildlife Society – NJ Chapter, \$1,000.

Robert Kwait. 2019. Graduate Program in Ecology and Evolution Summer Grant and Ted Stiles Award, \$1,500.

Evan Drake. 2019. Off-Campus Dissertation Development Award. Rutgers School of Graduate Studies, \$2,000.

Evan Drake. 2018. Hutcheson Memorial Forest Summer Research Fellowship, \$2,500

University Service

2020 – pres. Member, Search Committee, Pinelands Field Station Director, School of Environmental and Biological Sciences, Rutgers University.

2016 – pres. Member. Graduate Program Executive Committee. Graduate Program in Ecology and Evolution, Rutgers University

2016 – 2020. Chair, Graduate Admissions Committee. Graduate Program in Ecology and Evolution, Rutgers University.

2015 – pres. Faculty Advisor. The Wildlife Society – Rutgers Student Chapter.

2019 Member, Post-doc Search Committee. Department of Ecology, Evolution and Natural Resources.

2018 Poster Session Judge. The Garden State LSAMP/NNJ-B2B 10th Annual STEM Research Conference, Rutgers University.

2017 Faculty Facilitator. *RU Sustainable to the Core?* Symposium, Rutgers University.

2016 Diversity Advocate, Search Committee. Department of Entomology, Rutgers University.

2015 – 2016 Member, Curriculum Affairs Committee. Department of Ecology,

Evolution and Natural Resources, Rutgers University.

2015 – 2016 Member, Committee for the Development of Guidelines for Teaching Loads. Department of Ecology, Evolution and Natural Resources, Rutgers University.

2015 Member, *ad hoc* Graduate Admissions Committee. Graduate Program in Ecology and Evolution, Rutgers University.

Professional Service

Ongoing Referee for manuscripts submitted to *Acta Chiroptera*, *Biodiversity and Conservation*, *Biological Conservation*, *BMC Biology*, *BMC Veterinary Research*, *Conservation Letters*, *Diversity and Distributions*, *Journal of Ornithology*, *Journal of Wildlife Management*, *Mammalian Biology*, *Marine Ecology*, *Molecular Ecology*, *Waterbirds*, and *Wildlife Society Bulletin*

2017 Review Panel. Gulf Research Program. National Academies of Sciences, Engineering and Medicine.