

CURRICULUM VITAE – HEATHER M. LESLIE, Ph.D.

1. Professional address

Professor, School of Marine Sciences
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2. Home

Newcastle, ME 04553

3. Education

- 1998-2004 PhD in Zoology, Oregon State University, Dissertation title: *Advancing the science of marine reserves: From field experiments to tools for marine conservation planning*
- 1992-1996 AB cum laude in Biology, Harvard University

4. Professional appointments

- 7/2021-on Professor, School of Marine Sciences, University of Maine
- 8/2015-5/23 Director, Ira C. Darling Marine Center (Re-appointed to second term, May 2020)
- 8/15-6/2021 Associate Professor, School of Marine Sciences, University of Maine
- 1/2017-on Faculty Fellow, Senator George J. Mitchell Center for Sustainability Solutions
- 3/2016-on Faculty, UMaine Ecology and Environmental Sciences Program
- 8/2015-6/19 Libra Associate Professor, University of Maine
- 7/2007-6/15 Sharpe Assistant Professor of Environmental Studies and Biology, Brown Univ.
- 5/2012-6/15 Adjunct Assistant Scientist, Ecosystems Center, Marine Biological Laboratory
- 2007-2009 Visiting Research Collaborator, Princeton University
- 2006-2007 Associate Research Scholar, Princeton University
- 2004-2006 Postdoctoral Research Fellow, Princeton University

5. Publications

Leslie's Google Scholar h-index: 36; All citations = 10,035 (12/22/2025)

5A. Books

67. McLeod, K. L. and **H. M. Leslie** (editors). 2009. *Ecosystem-Based Management for the Oceans*. Washington, DC: Island Press. 392 pp.

Reviews of this book in *Science*, *BioScience*, and other journals are available at <https://umaine.edu/leslie-lab/>

5B. Book Chapters (*Leslie's student and postdoctoral co-authors are underlined*)

66. **Leslie, H. M.**, M. L. Britsch, M. Cucuzza, K. E. Pellowe, S. Risley, J. S. Stoll. 2023. Managing for resilience of estuarine & coastal marine environments to climate change. Ch. 30, *Climate Change & Estuaries*. M. Kennish, H. Paerl, J. Croswell (eds). Boca Raton, FL: CRC Press. pp. 603-18.

65. **Leslie, H. M.** 2017. Principles for Interdisciplinary Conservation. Chapter 6 in Levin, P. S. and M. R. Poe, eds. *Conservation for the Anthropocene Ocean*. Elsevier. pp. 109-122.

64. Barbier, E., **H. M. Leslie**, and F. Micheli. 2013. Services of Marine Ecosystems: A Quantitative Perspective. Ch 18 in M. D. Bertness, J. Bruno, B. Silliman and J. Stachowicz, eds. *Marine Community Ecology and Conservation*, Sinauer Associates, Inc. 26 pp.

63. **Leslie, H. M.** and A. P. Kinzig. 2009. Resilience Science. Chapter 4 In: *Ecosystem-Based Management for the Oceans*. Washington, DC: Island Press.

62. McLeod, K. L. and **H. M. Leslie**. 2009. Why Ecosystem-Based Management? Chapter 1 in *Ecosystem-Based Management for the Oceans*. Washington, DC: Island Press.

61. McLeod, K. L. and **H. M. Leslie**. 2009. State of Practice. Chapter 17 in *Ecosystem-Based Management for the Oceans*. Washington, DC: Island Press.

60. McLeod, K. L. and **H. M. Leslie**. 2009. Ways Forward. Chapter 19 in *Ecosystem-Based Management for the Oceans*. Washington, DC: Island Press.

5. Publications (continued)

5B. Book Chapters (continued)

59. Sala, O.E., D. Sax, and **H. Leslie**. 2009. Biodiversity consequences of biofuel production, pp 127-37. Ch 7 *In* R.W. Howarth and S. Bringezu (eds) Biofuels: Environmental Consequences and Interactions with Changing Land Use. Proceedings of the Scientific Committee on Problems of the Environment (SCOPE) International Biofuels Project Rapid Assessment, 22-25 September 2008, Gummersbach Germany. Cornell University, Ithaca NY, USA.

5C. Refereed Journal Articles (Leslie's student and postdoctoral co-authors are underlined)

58. Gladstone, F.J. X. Basurto, T. H. Frawley, M. Nenadovic, J. E. Villalejo Navarro, S. Rodríguez Van Dyck, A. Hudson Weaver, F. Micheli, J. Torre, **H. M. Leslie**. 2025. Governing fishery access and agency: cooperative and noncooperative forms influence small-scale fisher livelihood vulnerability and adaptation. *Ecology & Society* 30 (3). <https://doi.org/10.5751/ES-15964-300323>.

57. Risley, S., M. L. Britsch, J. S. Stoll, **H. M. Leslie**. 2025. Mapping local knowledge supports science and stewardship. *Ambio* <https://doi.org/10.1007/s13280-025-02170-4>.

56. Frawley, T. H., B. González-Mon, M. Nenadovic, F. Gladstone, K. Nomura, J. A. Zepeda Domínguez, S. Rodríguez-Van Dyck, E. M. Ferrer, J. Torre, F. Micheli, **H. M. Leslie**, X. Basurto. 2024. Self-governance structures mediate small-scale fishery operations, vulnerability, and adaptive response. *Global Environmental Change* 84: 102805, <https://doi.org/10.1016/j.gloenvcha.2024.102805>

55. Haugen, J.B., Link, J.S., Cribari, K. Bundy, A., Dickey-Collas, M., **Leslie, H. M.**, Hall, J., Fulton and 22 others. 2024. Marine ecosystem-based management: challenges remain, yet solutions exist, and progress is occurring. *npj Ocean Sustainability* 3:7, <https://doi.org/10.1038/s44183-024-00041-1>

54. Risley, S. C., K. E. Pellowe, M. L. Britsch, M. M. White, **H. M. Leslie**. 2023. Community science in support of ecosystem-based management: A case study from the Damariscotta River Estuary, Maine, USA. *Maine Policy Review* 32.2: 221-230, <https://digitalcommons.library.umaine.edu/mpr/vol32/iss2/41>.

53. Sullivan-Stack, J. O. Aburto-Oropeza, C. Brooks, R. B. Cabral, J. Caselle, F. Chan, J. E. Duffy, D. C. Dunn, A. M. Friedlander, H. K. Fulton-Bennett, S. D. Gaines, L. R. Gerber, E. Hines, **H. M. Leslie**, and 17 others. 2022. Scientific Synthesis of Marine Protected Areas in the United States: Status and Recommendations. *Frontiers in Marine Science* 9: <https://doi.org/10.3389/fmars.2022.849927>

5. Publications (continued)

5C. Refereed Journal Articles (continued)

52. McGreavy, B., K. Haynal, J. Smith-Mayo, J. Reilly-Moman, M. T. Kinnison, D. Ranco, **H. M. Leslie**. 2022. How does strategic communication shape transdisciplinary collaboration? A focus on definitions, audience, expertise, and ethical praxis. *Frontiers in Communication*. <https://doi.org/10.3389/fcomm.2022.831727>

51. Britsch, M., **H. M. Leslie**, and J. Stoll. 2021. Diverse perspectives on marine aquaculture in Maine. *Marine Policy* 131: 104697. <https://doi.org/10.1016/j.marpol.2021.104697>

50. Cucuzza, M., J. S. Stoll, and **H. M. Leslie**. 2021. Evaluating the theoretical and practical linkages between ecosystem-based fisheries management and fisheries co-management. *Marine Policy* 126:104390. <https://doi.org/10.1016/j.marpol.2020.104390>

49. Pellowe, K.E. & **H. M. Leslie**. 2020a. Ecosystem service lens reveals diverse community values of small-scale fisheries. *Ambio* 50(3): 586-600 <https://doi.org/10.1007/s13280-020-01405-w>

48. Hillebrand H, U. Jacob, and **H. M. Leslie**. 2020. Integrative research perspectives on marine conservation. *Philosophical Transactions of the Royal Society B* 375: 20190444. <https://dx.doi.org/10.1098/rstb.2019.0444>

47. Pellowe, K.E. & **H. M. Leslie**. 2020b. The interplay between formal and informal institutions and the potential for co-management in a Mexican small-scale fishery. *Marine Policy* 121: 104179. <https://doi.org/10.1016/j.marpol.2020.104179>

46. Pellowe, K. E. and **H. M. Leslie**. 2020c. Size-selective fishing leads to trade-offs between fishery productivity and reproductive capacity. *Ecosphere* 11(3): e03071. <https://doi.org/10.1002/ecs2.3071>

45. Cucuzza, M., J. S. Stoll, and **H. M. Leslie**. 2020. Comprehensive plans as tools for enhancing coastal community resilience. *Journal of Environmental Planning and Management* 63(11): 2022-2041. <https://doi.org/10.1080/09640568.2019.1700943>

44. Pellowe, K. E. and **H. M. Leslie**. 2019. Heterogeneity among clam harvesters in northwest Mexico shapes individual adaptive capacity. *Ecology & Society* 24(4):25. <https://doi.org/10.5751/ES-11297-240425>

43. **Leslie, H.M.**, M. Ruckelshaus, and J.D. Witman. 2019. Introduction to the special issue on PISCO: Partnership for Interdisciplinary Studies of Coastal Oceans. *Oceanography* 32(3):12–15. <https://doi.org/10.5670/oceanog.2019.306>

5. Publications (continued)

5C. Refereed Journal Articles (continued)

42. Stoll, J. S., **H. M. Leslie**, M. Britsch, C. Cleaver. 2019. Evaluating aquaculture as a diversification strategy for Maine's commercial fishing sector in the face of change. *Marine Policy* 107: 103583. <https://doi.org/10.1016/j.marpol.2019.103583>
41. **Leslie, H. M.** 2018. Value of ecosystem-based management. *Proceedings of the National Academy of Sciences of the United States of America* 115 (14): 3518-3520. www.pnas.org/cgi/doi/10.1073/pnas.1802180115
40. Álvarez-Romero, J. G., M. Mills, V. M. Adams, G. G. Gurney, R. L. Pressey, R. Weeks, N. C. Ban, J. Cheok, T. E. Davies, J. C. Day, M. A. Hamel, **H. M. Leslie**, and R. A. Magris. 2018. Research advances and gaps in marine planning: towards a global database in systematic conservation planning. *Biological Conservation* 227:369-382.
39. Aburto-Oropeza, O. et al., including **H. M. Leslie**. 2018. Harnessing cross-border resources to confront climate change. *Environmental Science and Policy*. <https://doi.org/10.1016/j.envsci.2018.01.001>
38. Hughes, A. R., J. H. Grabowski, **H. M. Leslie**, S. Scyphers, S. L. Williams. 2018. Inclusion of biodiversity in habitat restoration policy to facilitate ecosystem recovery. *Conservation Letters*, [10.1111/conl.12419](https://doi.org/10.1111/conl.12419).
37. Pellowe, K. E. and **H. M. Leslie**. 2017. Seasonal variability shapes resilience of small-scale fisheries in Baja California Sur, Mexico. *PLoS ONE* 12(3):e0182200, <https://doi.org/10.1371/journal.pone.0182200>
36. Menge, B. A., M. Bracken, J. Lubchenco, and **H. M. Leslie**. 2017. Alternative state? Experimentally-induced *Fucus* canopy persists 38 years in an *Ascophyllum*-dominated community. *Ecosphere* 8(3): e01725. <https://doi.org/10.1002/ecs2.1725>
35. Crosby, S. C., A. Angermeyer, J. M. Adler, M. D. Bertness, L. A. Deegan, N. Sibinga, **H. M. Leslie**. 2017. *Spartina alterniflora* biomass allocation and temperature: Implications for salt marsh persistence with sea-level rise. *Estuaries & Coasts* 40: 213-223. <https://doi.org/10.1007/s12237-016-0142-9>
34. Crosby, S. C., D. Sax., M. E. Palmer, H. S. Booth, L. A. Deegan, M. D. Bertness, and **H. M. Leslie**. 2016. Salt marsh persistence is threatened by predicted sea level rise. *Estuarine Coastal and Shelf Science* 181:93-99. <https://doi.org/10.1016/j.ecss.2016.08.018>

5. Publications (continued)

5C. Refereed Journal Articles (continued)

33. Baker, H.K., J. A. Nelson, **H. M. Leslie**. 2016. Quantifying striped bass (*Morone saxatilis*) dependence on salt marsh derived productivity used stable isotope analysis. *Estuaries & Coasts*. doi:10.1007/s12237-016-0092-2
32. Aburto-Oropeza, O., **H. M. Leslie**, A. Mack-Crane, S. Nagavarapu, S. M.W. Reddy, and L. Sievanen. 2016. Property rights for fishing cooperatives: how (and how well) do they work? *World Bank Economic Review* 31: 295–328.
31. **Leslie, H. M.**, X. Basurto, M. Nenadovic, L. Sievanen, K. C. Cavanaugh, J. J. Cota-Nieto, B. Erisman, E. Finkbeiner, G. Hinojosa-Arango, M. Moreno-Báez, S. Nagavarapu, S. M. W. Reddy, A. Sánchez-Rodríguez, K. Siegel, J. J. Ulibarria-Valenzuela, A. H. Weaver, O. Aburto-Oropeza. 2015. Operationalizing the social-ecological systems framework to assess sustainability. *Proceedings of the National Academy of Sciences* 112: 5979–5984, doi: 10.1073/pnas.1414640112.
30. **Leslie, H. M.**, L. Sievanen, Tara Gancos Crawford, Rebecca Gruby, H. Cristina Villanueva-Aznar, and Lisa M. Campbell. 2015. Learning from ecosystem-based management in practice. *Coastal Management* 43(5):471-497.
29. Crosby, S. C., M. Ivens-Duran, M. D. Bertness, E. Davy, L. A. Deegan, and **H. M. Leslie**. 2015. Flowering and biomass allocation in U.S. Atlantic coast *Spartina alterniflora* (Poaceae). *American Journal of Botany* 102(5) 669-676. <https://doi.org/10.3732/ajb.1400534>
28. **Leslie, H. M.** and M. Palmer. 2015. Examining the impacts of tidal energy capture from an ecosystem services perspective. *Marine Technology Society Journal* 49:97-114.
27. Cockrell, M. L., J. R. Bernhardt, and **H. M. Leslie**. 2015. Recruitment, abundance, and predation on the blue mussel (*Mytilus edulis*) on northeastern estuarine rocky shores. *Ecosphere* 6(1):18. doi: 10.1890/ES14-00176.1.
26. Tallis, H. and 239 co-authors, including **H. M. Leslie**. 2014. The call for inclusive conservation. *Nature* 515:27-28.
25. Lamb, E., **H. M. Leslie**, and J. Shinen. 2014. Both like it hot: influence of aerial temperature on two co-occurring intertidal barnacles in central Chile. *Journal of Experimental Marine Biology and Ecology* 453: 54–61.
24. Reddy, S.W., A. Wentz, O. Aburto-Oropeza, M. Maxey, S. Nagavarapu, **H. M. Leslie**. 2013. Evidence of market-driven size-selective fishing and the mediating effects of biological and institutional factors. *Ecological Applications* 23:726–74.

5. Publications (continued)

5C. Refereed Journal Articles (continued)

23. **Leslie, H. M.**, E. Goldman, K. L. McLeod, L. Sievanen, H. Balasubramanian, R. Cudney-Bueno, A. Feurerstein, N. Knowlton, K. Lee, R. Pollnac, and J. F. Samhouri. 2013. How good science and stories can go hand-in-hand. *Conservation Biology* 27:1126-29.
22. Bernhardt, J. R. and **H. M. Leslie**. 2013. Resilience to climate change in coastal marine ecosystems. *Annual Review of Marine Science* 5: 371-392.
21. Halpern, B. S., C. Longo, D. Hardy, K. L. McLeod, J. F. Samhouri, S. K. Katona, K. Kleisner, S. E. Lester, J. O'Leary, M. Ranelletti, A. A. Rosenberg, C. Scarborough, E. R. Selig, B. D. Best, D. R. Brumbaugh, F. S. Chapin III, L. B. Crowder, K. L. Daly, S. C. Doney, C. Elfes, M. J. Fogarty, S. D. Gaines, K. I. Jacobsen, L. Bunce Karrer, **H. M. Leslie** and 8 others. 2012. An index to assess the health and benefits of the global ocean. *Nature* 488: 615-620.
20. Sievanen, L., L. Campbell, and **H. M. Leslie**. 2012. Challenges to interdisciplinary research in ecosystem-based management. *Conservation Biology* 26:315-323.
19. Sievanen, L., **H. M. Leslie**, J. Wondolleck, S. Yaffee, K. McLeod, and L. Campbell. 2011. Linking top-down and bottom-up processes in marine ecosystem-based management. *Conservation Letters* 4: 298-303.
18. Gedan, K., J. Bernhardt, M. D. Bertness, and **H. M. Leslie**. 2011. Substrate size mediates thermal stress in the rocky intertidal. *Ecology* 92:576-582.
17. **Leslie, H.M.**, M. Schlüter, R. Cudney-Bueno, and S. A. Levin. 2009. Modeling responses of the coupled social-ecological systems of the northern Gulf of California to anthropogenic and natural perturbations. *Ecological Research* 24(3):505-514.
16. Schlüter, M., **H. M. Leslie**, and S. A. Levin. 2009. Managing water use tradeoffs in a semi-arid river delta to sustain multiple ecosystem services – a modeling approach. *Ecological Research* 24(3): 491-503.
15. **Leslie, H.M.**, A. R. Rosenberg, and J. Eagle. 2008. Is a new mandate needed for marine ecosystem-based management? *Frontiers in Ecology and the Environment* 6(1):43-48.
14. **Leslie, H. M.** and K. L. McLeod. 2007. Confronting the challenges of implementing marine ecosystem-based management. *Frontiers in Ecology and the Environment*. 5(10):540-548.

5. Publications (continued)

5C. Refereed Journal Articles (continued)

13. Hughes, T. P., L. Gunderson, C. Folke, A. Baird, D. Bellwood, F. Berkes, B. Crona, A. Helfgott, **H. Leslie**, J. Norberg, M. Nyström, P. Olsson, H. Österblom, M. Scheffer, H. Schuttenberg, R.S. Steneck, M. Tengö, M. Troell, B. Walker, J. Wilson, B. Worm. 2007. Adaptive Management of the Great Barrier Reef and the Grand Canyon World Heritage Areas. *Ambio* 36:586-592.
12. Satake, A., **H. M. Leslie**, Y. Iwasa, and S. A. Levin. 2007. Coupled ecological-social dynamics in a forested landscape: spatial interactions and information flow. *Journal of Theoretical Biology* 246: 695-707.
11. Berkes, F., T. P. Hughes, R. S. Steneck, J. A. Wilson, D. R. Bellwood, B. Crona, C. Folke, L. H. Gunderson, **H. M. Leslie**, J. Norberg, M. Nyström, P. Olsson, H. Österblom, M. Scheffer, B. Worm. 2006. Globalization, roving bandits and marine resources. *Science* 311:1557-58.
10. **Leslie, H. M.** 2005*b*. A synthesis of marine conservation planning approaches. *Cons. Biol.* 19(6): 1701-1713.
9. **Leslie, H. M.**, E. N. Breck, F. Chan, B. A. Menge, and J. Lubchenco. 2005. Barnacle reproductive hotspots linked to nearshore ocean conditions. *PNAS* 102(30):10534-39.
8. **Leslie, H. M.** 2005*a*. Positive intraspecific effects trump negative effects in high-density barnacle aggregations. *Ecology* 86(10):2716-2725.
7. Giller, P., H. Hillebrand, U G. Berninger, M. Gessner, S. Hawkins, P. Inchausti, C. Inglis, **H. Leslie**, B. Malmqvist, M. Monaghan, P. Morin, G. O'Mullan. 2004. Biodiversity effects on ecosystem functioning: emerging issues and their experimental test in aquatic communities. *Oikos* 104(3): 423-436.
6. **Leslie, H.**, M. Ruckelshaus, I. R. Ball, S. Andelman, and H. P. Possingham. 2003. Using siting algorithms in the design of marine reserve networks. *Ecol. Appl.* 13(1): S185-S198.
5. Airamé, S., J. E. Dugan, K. D. Lafferty, **H. Leslie**, D. A. McArdle, and R. R. Warner. 2003. Applying ecological criteria to marine reserve design: A case study from the California Channel Islands. *Ecol. Appl.* 13(1): S170-S184.

5. Publications (continued)

5C. Refereed Journal Articles (continued)

4. Menge, B. A., J. Lubchenco, M. E. S. Bracken, F. Chan, M. M. Foley, T. L. Freidenburg, S. D. Gaines, G. Hudson, C. Krenz, **H. Leslie**, D. N. L. Menge, R. Russell, and M. S. Webster. 2003. Coastal oceanography sets the pace of rocky intertidal community dynamics. *PNAS* 100(21):12229-12234.

3. Palumbi, S. R., S.D. Gaines, **H. Leslie**, R. R. Warner. 2003. New wave: high-tech tools to help marine reserve research. *Frontiers in Ecology & the Environment* 1(2):73-79.

2. Roberts, C. M., G. Branch, R. H. Bustamante, J. C. Castilla, J. Dugan, B. Halpern, K. D. Lafferty, **H. Leslie**, J. Lubchenco, D. McArdle, M. Ruckelshaus, and R. R. Wagner. 2003b. Application of ecological criteria in selecting marine reserves and developing reserve networks. *Ecol. Appl.* 13(1): S215-S228.

1. Roberts, C. M., S.J. Andelman, G. M. Branch, R. Bustamante, J. C. Castilla, J. E. Dugan, B. Halpern, K. D. Lafferty, **H. Leslie**, J. Lubchenco, D. A. McArdle, H. P. Possingham, M. H. Ruckelshaus, and R. R. Warner. 2003a. Ecological criteria for evaluating candidate sites for marine reserves. *Ecol. Appl.* 13(1): S199-S214.

5D. Popular and Policy-Oriented Articles (Student and postdoctoral co-authors are underlined)

Prof. Leslie blogs on recent research and engagement activities at <https://umaine.edu/leslie-lab/>.

Leslie, H. M. 2023. What Gives Me Hope. *Maine Policy Review* 32.2:187, <https://digitalcommons.library.umaine.edu/mpr/vol32/iss2/32>

Risley, S. C. and **H. M. Leslie**. 2023. Damariscotta River Estuary Community Science Project: 2019-2023. Summary presented to the Joint Shellfish Committee of Damariscotta and Newcastle on 11.14.23 by SR, UMaine Darling Marine Center, Walpole, Maine. 2 pp.

Risley, S. C., McMahan, M., Papi, A., Rolfe, C., **Leslie, H. M.**, & Stoll, J. S. 2022. Community Science in the Damariscotta River Estuary: An Educational Exploration of Shellfish Ecology & Harvester Local Knowledge (Handbook) and (Appendices). University of Maine Darling Marine Center.

Britsch, M. and **H. M. Leslie**. 2021. *Damariscotta River: Research through Time*. Storymap published July 2021. <https://storymaps.arcgis.com/stories/eb01dae19ad34e978185647d7072e8de>

5. Publications (continued)

5D. Popular and Policy-Oriented Articles (continued)

Britsch, M. L., S. Risley, J. S. Stoll, and H. M. Leslie. 2021. State of the Damariscotta River Estuary Report: Local knowledge of trends in the shellfish resource & human activity in the Damariscotta River Estuary. Technical report prepared for Damariscotta-Newcastle Joint Shellfish Committee, UMaine Darling Marine Center, Walpole, Maine. 32 pp.

Britsch, M., S. Risley, J. Stoll, and H. M. Leslie. 2021. State of the Medomak River Estuary. Technical report prepared for Damariscotta-Newcastle Joint Shellfish Committee, UMaine Darling Marine Center, Walpole, Maine. 28 pp.

Kammen, D. M., J Chang, T. Christopher, C. Fletcher, M. Gerrard, H. Kane, **H. Leslie**, J. Reilly-Moman, B. Wolkon. 2021. Transformational Opportunities for Marine Energy & Transportation. French Polynesia: Blue Climate Initiative, Tetiaroa Society. 48 pp.
<https://doi.org/10.5281/zenodo.4549891>

Risley, S., M. McMahan, A. Papi, C. Rolfe, H. Leslie, J. Stoll. 2021. Community Science in the Damariscotta River Estuary: An Educational Exploration of Shellfish Ecology & Local Harvester Knowledge. UMaine Darling Marine Center, Walpole, ME. 22 pp.

Pellowe, K. E. and H. M. Leslie. 2020. Engaged Research and Communication about Baja's Small-Scale Fisheries. Posted 3.22.20. <https://mareabcs.wordpress.com/2020/03/22/a-series-of-in-depth-conversations-with-key-stakeholder-and-management-groups-in-baja-california-sur/>

Pellowe, K. E. and H. M. Leslie. 2019. Current and historical trends in the shellfish resources of the upper Damariscotta River estuary. Final Report presented to the Selectmen of the Town of Damariscotta, Maine, 12.20.19. https://umaine.edu/leslie-lab/wp-content/uploads/sites/151/2020/01/2019-Final-Report_Damariscotta-Newcastle-Shellfish-Resilience-Project.pdf

Stoll, J., **H. M. Leslie**, M. Cucuzza. 2017. Integrating Ecosystem-Based Fisheries Management and Co-Management. Report from a Workshop held at UMaine's Darling Marine Center, Walpole, Maine. September 27-28, 2017.

Leslie, H. 2013. Ecosystem-Based Management: What We Need to Build on the Promise. Inaugural invited article for *Science for Nature and People*. Launched 9.25.13.
<https://umaine.edu/leslie-lab/resource/leslie-2013/>

Leslie, H. M. 2013. A citizen and a scientist. Invited post, Brown U.'s Swearer Center. Posted 9.13: <http://swearercenterblog.org/2013/09/24/faculty-voices-a-citizen-and-a-scientist>

5. Publications (continued)

5D. Popular and Policy-Oriented Articles (continued)

Contributing Author, *Why Value the Oceans?* Discussion paper for The Economics of Ecosystems & Biodiversity (TEEB). Prepared by Beaudoin and Pendleton (eds), UNEP/GRID-Arendal and Duke Univ. Nicholas Institute for Environmental Policy Solutions. 2/2012.

Gancos, T., H. M. Leslie, and L. Sievanen. 2012a. Elkhorn Slough Tidal Wetland Project: A Case Study of Marine Ecosystem-Based Management.

Gancos, T., H. M. Leslie, and L. Sievanen. 2012b. San Luis Obispo Science and Ecosystem Alliance: A Case Study of Marine Ecosystem-Based Management.

Gruby, R., L. Sievanen, H. M. Leslie, and T. Gancos. 2012a. The Babeldaob Island Ecosystem-Based Management Initiative: A Case Study of Marine Ecosystem-Based Management.

Gruby, R., L. Sievanen, H. M. Leslie, and T. Gancos. 2012b. Fiji's Vatu-i-Ra and Cakau Levu Reefs Seascape Project: A Case Study of Marine Ecosystem-Based Management.

Villanueva-Aznar, H. C., H. M. Leslie, and L. Sievanen. 2012a. Artisanal Fisheries of the Northern Gulf of California, Mexico: Environment and Society Project (PANGAS): A Case Study of Marine Ecosystem-Based Management.

Villanueva-Aznar, H. C., H. M. Leslie, and L. Sievanen. 2012b. Gulf of California, Mexico Shrimp Fisheries Project: A Case Study of Marine Ecosystem-Based Management.

Leslie, H. M. 2010. Obama's new ocean policy a boon for New Englanders. *The Providence Journal*. p. B8 (7/28/10).

Leslie, H. 2010. Integrating community-based learning and research into environmental science courses. *The Teaching Exchange* 15(2): 3.

McLeod, K. M. and **H. Leslie**. 2005. Marine Ecosystem-Based Management: Transforming U.S. Ocean Policy. In M. Groom et al. (eds.), *Principles of Conservation Biol.* (3rd ed.), pp. 476-479.

Simler, B., R. Davis-Born, A. Guerry, **H. Leslie**, and J. Lubchenco. 2002. The Catalogue of Oregon Marine and Coastal Information: Meta-data to inform area-based management. In *Proceedings of 2002 Conference of The Coastal Society*.

Leslie, H. 2001. Coastal Zone Management. In J. Barry and E. G. Frankland (eds.) *International Encyclopedia of Environmental Politics*. Florence, KY: Routledge. p. 94-95.

Leslie, H. 1999. It's too soon to open just-recovering scallop beds. *The Boston Globe*, p. A17 (2/25/99).

5. Publications (continued)

5D. Popular and Policy-Oriented Articles (continued)

Leslie, H. 1997. Coastal wetlands management in Yucatan, Mexico: Nature-based tourism in the Celestún Estuary. In M. C. Miller, J. Cogan (eds.) *Coastal Zone 97 Conf. Proceedings*, Vol. 2., Boston, MA: 1997, pp. 938-940.

Leslie, H. 1994. Birds, buggies, and barrier beaches. *Sanctuary*. Lincoln, MA: Massachusetts Audubon Society. pp. 16-17.

5E. Book Reviews

Leslie, H. M. 2011. A roadmap to nature's benefits. *Science* 332:1264-65.

Leslie, H. 2008. Global Coastal Change. *The Quarterly Review of Biol.* 83(1):136-137.

Leslie, H. 2004. Coastal Marine Conservation. *The Quarterly Review of Biol.* 79(4): 447.

5. Publications (continued)

5F. Other Lab-Related Publications of Note (*Leslie students and postdocs underlined*)

Reilly-Moman, J. 2022. Métodos para la polivocalidad en la resiliencia climática. Chapter in *América Profunda: Visiones y convergencias en la oceanografía social del continente*. N. E. Narchi y C. M. Beitzl (Eds.) El Colegio de Michoacán: El Colegio de Michoacán. pp. 27-48.

Sievanen, L. 2014. How do small-scale fishers adapt to environmental variability? Lessons from Baja California Sur, Mexico. *Maritime Studies* 13:9.

Pellowe-Wagstaff, K. and J. Simonis. 2014. The ecology and mechanisms of overflow-mediated dispersal in a rock-pool metacommunity. *Freshwater Biology* 59: 1161-1172.

Cockrell, M. L. and C. J. B. Sorte. 2013. Predicting climate-induced changes in population dynamics of invasive species in a marine epibenthic community. *Journal of Experimental Marine Biology and Ecology* 440: 42-48.

Sievanen L. S., R. L. Gruby, and L. M. Campbell. 2013. Fixing marine governance in Fiji? The new scalar narrative of ecosystem-based management. *Global Environmental Change* 206:206-216.

Hastings, J., R. L. Gruby, L. Sievanen. 2012. Science-based coastal management in Fiji: Two case studies from the NGO sector. *Marine Policy* 36: 907-914.

Corman S.S., Roman C.T., King J.W., Appleby P.G. 2012. Salt marsh mosquito-control ditches: sedimentation, landscape change, and restoration implications. *Journal of Coastal Research* 283: 874-80.

Corman, S.S. and C.T. Roman. 2011. Comparison of salt marsh creeks and mosquito ditches as habitat for nekton. *Marine Ecology Progress Series* 434:57-66.

5. Publications (continued)

5G. Works in preparation and in review

Jekielek, P., L. Williams, M. Maier, E. Martin, C. Huntsberger, **H. M. Leslie**, N. Price, J. Hopkins. Farmed and wild sea scallop energy allocation to reproduction and growth in Penobscot Bay, Maine, USA. In review, *Aquaculture Reports*.

Leslie, H. M. *The Science of Coupled Social-Ecological Systems*. Book in preparation and under contract with Princeton University Press. Anticipated manuscript delivery date: August 2026.

Nenadovic, M. and 21 other co-authors, including **H. M. Leslie**. Governance arrangements that fit social-ecological context improve fisheries sustainability. In review following revision, *Fish and Fisheries*.

Risley, S. C., T. Kiffney, C. Gordon, A. Skena, **H. M. Leslie**. From seed to settlement: Examining the connections between farmed and emerging oyster populations in Maine. In prep., *Estuaries and Coasts*.

Risley, S. C., J. Joyce, **H. M. Leslie**. Visions and values for the future in a coastal social-ecological system. In prep., *Ocean and Coastal Management*.

Risley, S. C., **H. M. Leslie**. Applying the social-ecological system framework to a coupled aquaculture-wild fishery system in Maine, USA. In prep., *Ecology and Society*.

Risley, S. C., C. Cleaver, T. Kiffney, **H. M. Leslie**. Development and reproductive potential of aquaculture-raised oysters in Maine, USA. In prep., *Journal of Shellfish Research*.

Smith-Mayo, J., B. McGreavy, M. Kinnison, **H. M. Leslie**. How embodiment, materiality, and practices of articulation create difference and shape communication in science-based teams. In prep., *Journal of Applied Communication*.

6. Invited Lectures & Conference Presentations

6A. Selected Invited Lectures

- 2025 “Connecting Art and Science to Strengthen Resilience in the Damariscotta River Estuary.” Presentation to *Dear Kin and Kind*, a multi-institutional graduate student-led creative communications group, 10.23.25.
- 2025 “Coastal Community Resilience: A Model from Midcoast Maine.” Presentation to the UMaine Mitchell Center Board of Advisors, 3.12.25.
- 2024 “What are we learning from the Ecosystem Science National Research Traineeship (NRT) and other graduate training programs that SMS faculty, staff and students are part of?” UMaine School of Marine Sciences seminar series, Orono, ME, 12.6.24.
- 2023 “Stories of social-ecological systems science and coastal stewardship.” Science Council of The Nature Conservancy in Maine, Brunswick, ME, 2.27.23.
- 2023 “How can community-engaged researchers contribute to coastal community resilience?” University of California at Davis Ecology & Evolution seminar, 1.12.23.
- 2022 “How can community-engaged researchers contribute to coastal community resilience?” Senator George J. Mitchell Center for Sustainability Solutions Seminar Series, 11.7.22
- 2022 “Coastal Complexity: Stories of resilience and transformation of Maine's coastal communities and ecosystems.” UMaine Marine Sciences Seminar Series, 9.16.22.
- 2021 “Adaptation, resilience and transformation in Maine’s coastal communities,” Howard E. Woodin Environmental Studies Colloquium Series, Middlebury College, 11.11.21
- 2021 Adaptation, resilience and transformation in Maine’s coastal communities,” Presentation to Dartmouth College course, Walpole, ME., 9.28.21
- 2021 “Community collaborations at the Darling Marine Center and beyond,” Maine eDNA Seminar Series, 9.20.21.
- 2021 “Adaptation, resilience and transformation in Maine’s coastal communities,” Bates College Biology Seminar Series, 3.18.21
- 2020 “The emerging science of coupled social-ecological systems,” Scripps Institution of Oceanography Marine Biology Research Division. 12.4.20.
- 2020 “Resilient Coastal Communities and Ecosystems: Linking Science & Action,” Keynote Address, RARGOM Annual Science Meeting, 10.14.20.
- 2020 “Adaptation, resilience and transformation in Maine’s coastal communities,” NOAA Library Ecosystem-Based Management/Ecosystem-Based Fisheries Management webinar series, 4.8.20.
- 2019 “The emerging science of coupled social-ecological systems,” Gulf of Maine Research Institute, Portland, ME, 10.23.19.
- 2019 “The emerging science of coupled social-ecological systems,” Oregon State University, Corvallis, OR, 10.3.19.
- 2019 Kolshorn Lecture, “Creating resilient coastal communities and ecosystems: Connecting marine conservation science and practice,” Department of Fisheries, Wildlife and Conservation Biology, University of Minnesota, St. Paul, MN, 9.12.19

6. Invited Lectures & Conference Presentations (continued)

6A. Selected Invited Lectures (continued)

- 2019 Conflicts in Conservation Science seminar series, “The emerging science of coupled social-ecological systems,” Department of Fisheries, Wildlife and Conservation Biology, University of Minnesota, St. Paul, MN, 9.13.19
- 2019 Keynote Address for the Eastern Maine Coastal Current State of the Science Conference, ‘From Mexico to Maine: the emerging science of coupled social-ecological systems,’ University of Maine at Machias, 6.17.2019.
- 2019 Plenary address, 2nd Symposium on Functional Marine Biodiversity at the University of Oldenburg, Helmholtz Institute for Functional Marine Biodiversity, Oldenburg, Germany, 6.4.2019
- 2018 University of Maine at Machias, 10/17/2018.
- 2018 University of New England, Biddeford, Maine, 4/30/2018.
- 2018 Stanford University, Hopkins Marine Laboratory, Pacific Grove, CA, 4/20/2018.
- 2018 University of Massachusetts-Dartmouth, New Bedford, MA, 4/4/2018.
- 2017 Rutgers University, Brunswick, New Jersey, 10/23/17.
- 2017 Island Institute, Rockland, Maine, 9/19/2017.
- 2017 UMaine Darling Marine Center, Walpole, Maine, 6/23/2017.
- 2016 College of Marine Sciences, University of South Florida, 12.1.2016.
- 2016 SEANET All Hands Symposium, 4/29/16.
- 2016 Maine Sea Grant Symposium Keynote “Bearing witness: Contributing to SES knowledge and transformation in a time of rapid change,”, Orono, Maine, 4/14/2016.
- 2016 College of the Atlantic, April 5, 2016
- 2016 Bigelow Laboratory for Ocean Science, 1/2016
- 2015 Mitchell Center, September 2015
- 2015 GMRI, October 2015
- 2015 School of Marine Science and Policy, University of Delaware, 3/16/15
- 2015 School of Marine Sciences, University of Maine, 4/3/15)
- 2015 College of Earth, Ocean, and Atmospheric Sciences, Oregon State University, 4/27/15
- 2014 GSO-Vetlesen Distinguished Lecturer, University of Rhode Island, 4/4/14
- 2013 Environmental Earth Systems Science and Woods Institute, Stanford Univ., 11/20/2013
- 2013 Ecology and Evolutionary Biology, University of California, Davis 3/14/2013
- 2013 Bodega Marine Laboratory, University of California, Davis, 3/15/2013
- 2012 Duke University Marine Lab, Beaufort, NC, 4/4/2012
- 2012 Woods Hole Oceanographic Institution, Biology Dept., Woods Hole, MA
- 2011 School of Forestry and Environmental Studies, Yale University, New Haven, CT
- 2010 Ecosystems Center Seminar, Marine Biological Laboratory, Woods Hole, MA, 3/9/10
- 2010 RI Aquatic Sciences Collaborative, 10/27/10, plenary talk
- 2010 Biology at Noon, URI Graduate School of Oceanography, Narragansett, RI, 2/24/10
- 2009 Brown University Faculty Forum, Providence, RI, 10/17/09
- 2009 Dept. of Biological Sciences, University of Rhode Island, Kingston, RI
- 2009 Narragansett Bay National Estuary Program ‘Currents of Change’ Conference, Roger Williams University, Bristol, RI

6. Invited Lectures & Conference Presentations (continued)

6A. Selected Invited Lectures (continued)

- 2008 Massachusetts Ocean Partnership's 'Ocean Management 101' Workshop, Boston, MA
- 2008 US EPA Atlantic Ecology Division Narragansett Bay Laboratory, RI
- 2008 Massachusetts Ocean Partnership/COMPASS Ecosystem Service workshop, Boston, MA
- 2007 Chesapeake Biological Laboratory, University of Maryland, Solomons, MD
- 2006 Stony Brook University, Department of Ecology & Evolution, Stony Brook, NY
- 2006 University of Washington, School of Aquatic and Fishery Science, Seattle, WA
- 2006 University of North Carolina at Chapel Hill, Department of Geography, Chapel Hill, NC
- 2006 Brown University, Center for Environmental Studies, Providence, RI
- 2006 University of California at Irvine, Department of Ecology & Evolutionary Biology
- 2006 Northeastern University, Department of Biology, Boston, MA
- 2005 Rutgers University, Grad. Pgm. in Ecology & Evolutionary Biology, New Brunswick, NJ
- 2005 University of New Hampshire, Marine Science Program, Durham, NH
- 2005 World Wildlife Fund, Conservation Science Program, Washington, DC
- 2005 Woods Hole Oceanographic Institution, Biology Department, Woods Hole, MA
- 2001 AAAS Annual Meeting, Invited symposium speaker, San Francisco, CA

6B. Selected Abstracts

- 2025 "Disentangling the effects of climate change, trophic interaction, and harvest on the green sea urchin (*Strongylocentrotus droebachiensis*) in the Gulf of Maine," Poster at Ecol. Society of America (ESA) Annual Meeting, Baltimore. 8.12.25 (HL, senior author)
- 2025 "Social-ecological systems science in support of ecosystem-based management," Invited presentation for the symposium, "Marine ecosystem-based management implementation and performance," at the AAAS Annual Meeting, Boston, MA, 2.14.25.
- 2025 "Community science in support of ecosystem-based fisheries management of the Damariscotta River estuary in Maine." Northeast Cooperative Research Summit, Portland, ME, 1.28.25.
- 2025 "How to engage in offshore wind development: A guide to values, questions, perspectives, and pathways forward in coastal Maine." NE Sea Grant Meeting on *Navigating ocean renewable energy and coexistence with coastal communities*, Woods Hole, MA, 1.16.25.
- 2024 "Local knowledge provides the foundation for community science on Maine's rural coast." Poster at Rural Issues Symposium, Orono, ME: 11.1.24 (HL, senior author)
- 2024 "How people, place, and technology fit: Participatory methods to support community resilience in ocean renewable energy siting." Poster at Rural Issues Symposium, Orono, ME: 11.1.24 (HL, senior author)
- 2024 "Local knowledge provides the foundation for social-ecological community science," Poster at PECS-III, Montreal, Canada, 8.12.24 (HL, senior author)

6. Invited Lectures & Conference Presentations (continued)

6B. Selected Abstracts (continued)

- 2024 “How people, place, and technology fit: Participatory methods in ocean renewable energy siting,” Presentation at Social Coast, Charleston, SC, 2.24 (HL, senior author)
- 2024 “eDNA: Casting a new net for sea scallop (*Placopecten magellanicus*) fisheries monitoring,” Presentation at Nat. Shellfish Assoc. Charleston, SC. 3.24 (HL, co-author)
- 2024 “Oyster aquaculture larval subsidy drives emerging wild oyster populations in Maine, USA,” Presentation at Northeast Aquaculture Conference & Exposition and the Milford Aquaculture Seminar (NACE/MAS). Providence, RI. 1.12.23 (HL, senior author)
- 2024 “A comparative study of sea scallop (*Placopecten magellanicus*) energy investment strategies in farmed and wild environments. Presentation at NACE/MAS. Providence, RI. 1.12.23 (HL, senior author)
- 2023 “Community science in support of shellfish management: A case study from the Damariscotta River Estuary, Maine, USA,” Poster presentation at annual meeting of the Ecological Society of America (ESA), Portland, OR. 8.8.23 (HL, senior author)
- 2023 “The role of research partnerships in shaping diversity, equity and inclusion in marine policy and practice,” 2023 MARE Conference: People and the Sea XII. Amsterdam, The Netherlands. 6.28.23 (HL, senior author)
- 2023 “A rhetoric of ethics: Engaging collaboration through a practice of continuous questioning,” 2023 Conference on Communication and the Environment, Harrisonburg, VA. 6.8.23 (HL, contributing author)
- 2023 “Developing eDNA as a tool for monitoring cultured and wild populations of sea scallops (*Placopecten magellanicus*) in Maine, USA,” National Shellfish Association Annual Meeting, Baltimore, MD, 3.29.23 (HL, contributing author)
- 2023 “Social indicators of climate resilience: Engaging care on the coast,” Maine Water & Sustainability Conf., Augusta, ME, 3.30.23 (HL, senior author)
- 2023 “Transdisciplinary collaboration and partner engagement in the Maine-eDNA project,” Maine Water & Sustainability Conf., Augusta, ME, 3.30.23 (HL, senior author)
- 2023 “Community science in support of shellfish management: A case study from the Damariscotta River Estuary, ME,” Maine Fishermen’s Forum, 3.1.23 (HL, senior author)
- 2022 “Role of interdisciplinary collaborations in promoting sustainable marine management and practice,” Small-Scale Fisheries Latin America and the Caribbean Congress, 10.27.22. Virtual & Merida, Mexico (HL, presenting author and session co-organizer)
- 2022 “Integrating Local and Scientific Knowledge of Coastal Marine Ecosystem Dynamics,” Benthic Ecology Meeting, 3.30.22. Portsmouth, NH (HL, presenting and senior author)
- 2022 “An Engaged and Ethnographic Approach to Transdisciplinary Collaboration,” Maine Water & Sustainability Conf., 3.31 (HL, senior author)
- 2022 “Embodiment as a Theme and Process in Collaborative Research,” Maine Water & Sustainability Conf., 3.31 (HL, co-author and co-advisor to first author)
- 2021 “Evaluating theoretical & practical linkages between ecosystem-based fisheries management & fisheries co-management, World Fish. Congress, 9.21 (HL, senior author)
- 2021 “Laying the foundation for understanding sea scallop population dynamics using eDNA techniques,” Maine Water & Sustainability Conference, 4.1.21 (HL, senior author)

6. Invited Lectures & Conference Presentations (continued)

6B. Selected Abstracts (continued)

- 2021 “Integrating local ecological knowledge and scientific knowledge to understand complex relationships in two Maine estuaries.” Maine Water & Sust. Conf., 4.1.21 (HL, s.author)
- 2021 “Communication and team science for Maine eDNA,” Maine Water and Sustainability Conference, 4.1.21 (HL, senior author)
- 2020 “The unintended effects of fisheries regulations: An agent-based modelling approach to understanding inequality and sustainability in small-scale fisheries,” International Marine Conservation Congress (IMCC), 8/20, virtual (HL, senior author)
- 2020 “Understanding values associated with aquaculture development in Maine, USA,” AAAS, 2/15/20, Seattle, WA (HL, senior author)
- 2020 “Current and historical trends in shellfish resources of the upper Damariscotta River Estuary,” Maine Fishermen’s Forum, 3/5/20, Rockland, ME (HL, senior author)
- 2020 “Understanding values associated with aquaculture development in Maine, USA,” Maine Fishermen’s Forum, 3/5/20 Rockland, ME (HL, senior author)
- 2019 Adaptation, resilience and transformation in Maine’s coastal communities,” Gulf of Maine 2050, 11/6/19, Portland, ME. (HL, senior author)
- 2019 “Comprehensive Plans as Tools for Community Resilience,” Challenges of Natural Resource Economics and Policy National Forum, 5/19, New Orleans (HL, senior author)
- 2018 “Integrating Ecosystem-Based Fisheries Management and Co-Management,” Social Coasts Forum. Charleston, SC, 2/2018 (HL, senior author)
- 2017 “Understanding humans’ roles in ocean ecosystems: the emergence of coupled social-ecological marine systems science,” Invited plenary talk for the Coastal Estuarine Research Federation (CERF) Biennial Meeting. Providence, RI, 11/7/17.
- 2017 “Understanding resilience in Loreto’s chocolate clam fishery: An interdisciplinary approach.” Invited symposium talk for Resilience 2017, Stockholm, Sweden, 8/22/2017. (HL, senior author)
- 2017 “Alliance for Maine’s Marine Economy: Building knowledge and infrastructure to benefit Maine’s seafood economy,” Invited IGNITE talk for ESA (Ecological Society of America) Annual Meeting, 8/10/2017.
- 2017 “Linking biodiversity and ecosystem service goals to advance ecosystem-based management for the oceans – How well are we doing?” Invited symposium talk, ESA Annual Meeting, Portland, OR, 8/9/2017.
- 2017 Seasonal variability and resilience in small-scale fisheries: A case study from Baja California Sur, Mexico. Invited symposium talk, ESA (Ecological Society of America) annual meeting, Portland, OR, 8/9/2017. (HL, senior author)
- 2017 “Ecosystem services science and the Northeast Ocean Plan,” Invited symposium talk, AAAS (American Association for the Advancement of Science) annual meeting, Boston, MA, 2/18/2017.
- 2016 “Ecosystem services and sustaining coupled marine systems,” ACES (A community for ecosystem services), Jacksonville, FL. 12/8/16.
- 2016 “Sustaining coupled social-ecological marine systems in Mexico’s Gulf of California,” Invited symposium speaker. Ocean Sciences, New Orleans, LA. 2/2/2016.

6. Invited Lectures & Conference Presentations (continued)

6B. Selected Abstracts (continued)

- 2015 “Assessing sustainability of coastal marine systems to inform policy and management,” ESA Annual Meeting, Baltimore, MD. 8/12/15.
- 2014 “Tight feedbacks facilitate ecological and social resilience of small-scale fisheries to climate variability in the Gulf of California, Mexico,” ESA Annual Meeting, Sacramento, CA. 8/14/14.
- 2014 “Integrating spatial variation in ecosystem services, resilience, and institutional capacity into marine conservation planning in the Gulf of California,” International Marine Conservation Congress, Glasgow, Scotland, 7.14. (HL, senior author)
- 2013 “Use-inspired research, a.k.a., science managers can use,” HL co-organized & presented; Invited session; The Nature Conservancy’s All-Science Meeting, San Jose, CA, 12/12/13.
- 2013 “Many paths to ecosystem-based management,” Invited symposium speaker and organizer, International Congress for Conservation Biology, Baltimore, MD. 7/25/13.
- 2013 “Adapting to climate variability in the small-scale fisheries of Baja Cal. Sur.” Invited symposium talk, AAAS Annual Meeting, Boston, MA, 2/13. (HL, senior author)
- 2012 “Ecosystem-based management in practice,” Invited symposium speaker, ESA Annual Meeting, Portland, OR. 8/7/2012.
- 2012 “Consumer pressure in estuarine rocky shores varies with ecological context,” ESA Annual Meeting, Portland. 8/12 (HL, senior author)
- 2012 “Variation in flowering phenology in the salt marsh plant *Spartina alterniflora*,” ESA Annual Meeting, Portland, 8/12. (HL, senior author)
- 2012 “Applying knowledge of human-ocean connections at the local scale,” Invited symposium talk, AAAS Annual Meeting, Vancouver, BC, 2/2012.
- 2012 “Social-ecological factors mediating shocks to fisheries in Baja California Sur, Mexico,” Invited symposium talk, Amer. Fisheries Soc., Minneapolis. 8/11 (HL, senior author)
- 2011 “Marine spatial planning through the lens of ecological resilience,” Invited symposium speaker, AAAS Annual Meeting, Washington, DC. 2/18/2011.
- 2011 “Talking about ecosystem-based management in practice,” International Marine Conservation Congress (IMCC), 5/11. Victoria, BC. (HL, senior author)
- 2011 “Market demand and size selective fishing,” IMCC, 5/11. (HL, senior author)
- 2009 “Community participation in the management and conservation of coastal ecosystems,” Invited talk and moderator, Maine Coastal Waters Conference, Northport: 10/28/09.
- 2009 “Managing for resilience in the Gulf of Maine,” Invited talk for the Technical Workshop on Ecosystem Services in the Gulf of Maine, St. Johns, NB, Canada. 10/09.
- 2009 “Conserving marine ecosystem services in a changing world,” ESA. Albuquerque, NM.
- 2009 “Managing for resilience in the face of climate change,” Invited talk in the symposium, Illuminating climate–ocean Linkages: New science since the last IPCC, International Marine Conservation Congress, Fairfax, VA. 5/22/09.
- 2008 “How can the latest science of resilience illuminate the way forward?” Invited symposium speaker, AAAS Annual Meeting, Boston, MA. 2/17/08.
- 2008 “Modeling responses of the coupled social-ecological systems of the northern Gulf of California to anthropogenic and natural perturbations. ESA, Milwaukee, WI. 8/8/08.

6. Invited Lectures & Conference Presentations (continued)

6B. Selected Abstracts (continued)

2005 American Society of Limnology and Oceanography, Santiago de Compostela, Spain

7. Research Grants

Current Grants

- 2025-2027 “River Stories: Voices of the Damariscotta River Estuary.” (\$90,000). Grant funded 1.25 by UMaine Mitchell Center for Sustainability Solutions (HL, PI)
- 2024-2027 “Integrating sustainable aquaculture education and research at the University of Maine Darling Marine Center” (\$974,363). Proposal to The Builders Initiative, funded 7.24 (HL, senior personnel)
- 2023-2028 “NRT: Ecosystem science in the face of rapid ocean change: a convergence approach” (\$2,991,842). NSF project initiated 8.1.23 (HL, Co-PI)
- 2022-2025 “Community science to support sustainable and local seafood production in Maine” (\$281,653). NOAA Saltonstall-Kennedy Program project approved 7.22, with NCE through 8.26 (HL, Lead PI)
- 2023-2025 “Collaborative Research: Rapid Arctic change and its implications for fisheries and fishing communities of the western North Atlantic.” (\$3,000,000). US NSF proposal funded 8.22 (HL, Senior personnel)
- 2017-2026 “Alliance for Maine’s Marine Economy.” (\$7,000,000). Proposal to State of Maine RFP#201507125, marine economy & jobs bond. 5.16 award (HL, co-PI)

Completed Grants

- 2022-2025 “Building capacity for participatory approaches to community resilience and ocean renewable energy siting” (\$138,132). Northeast Regional Sea Grant project initiated 6.22, with NCE through 1.25 (HL, Lead PI)
- 2019-2024 RII Track-1: Molecule to Ecosystem: Environmental DNA as a Nexus of Coastal Ecosystem Sustainability for Maine (Maine-eDNA) (\$20,000,000). EPSCoR Track I Proposal to the US NSF. Awarded 7.19 (HL, co-PI).
- 2020-2024 “CNH2-S: Measuring adaptive responses that strengthen governance of marine resources in small coastal fishing communities.” (\$145,357 to UMaine). Proposal to the US National Science Foundation’s CNH2: Dynamics of Integrated Socio-Environmental Systems program. Awarded 8.20, NCE through 8.24 (HL, Co-PI).
- 2022-2023 “Phase 2: Developing the next generation of engaged environmental leaders.” (\$40,000). Proposal to Henry David Thoreau Fdn., Awarded 3.22 (HL, Lead PI).
- 2020-2022 “Deepening engaged scholarship & training at UMaine’s Darling Marine Center.” (\$50,000). Proposal to Henry David Thoreau Found., 3.20 award (HL, Lead PI).
- 2020-2022 Marine Ecosystem-Based Management Evaluation Workshop (\$45,863). Proposal to NOAA through Cooperative Institute for the North Atlantic Region (CINAR). Awarded 6.20, and returned to sponsor 3.22 to due to the pandemic (HL, PI)
- 2021-2022 “Building Knowledge & Capacity for Community-Led Coastal Stewardship.” (\$16,366). Proposal to UMaine Mitchell Center for Sustainability Solutions. Awarded 4.21 (HL, PI)

7. Research Grants (continued)

Completed Grants (continued)

- 2019-2022 “Addendum: Investing in waterfront infrastructure to power Maine’s marine economy through applied research and development, workforce training and business incubation.” (\$1,100,000). Proposal to the US Economic Development Administration. Awarded 12.19 (HL, Lead PI).
- 2017-2022 “Investing in waterfront infrastructure to power Maine’s marine economy through applied research and development, workforce training and business incubation.” (\$1,500,000). Proposal to the US Economic Development Administration. Awarded 8.17 (HL, Lead PI).
- 2015-2021 “CNH-L: Resilience and Adaptation of Small-Scale Fishing Communities and Coastal Marine Ecosystems to Environmental and Economic Variability.” (\$1,790,687). Proposal to the US National Science Foundation’s Coupled Natural-Human Systems program. Awarded 9.15, NCE to 8.21 (HL, Lead PI).
- 2017-2021 “Assessing the potential for sustainability of fishing-dependent communities in coastal Maine in the face of environmental and socioeconomic change.” (\$275,308). Proposal to the NOAA Saltonstall-Kennedy Program. Awarded 8.17, NCE to 8.21 (HL, Lead PI).
- 2019 “Track 3: Science and Workforce Development for Sustainable Aquaculture in Maine.” (\$30,000). Awarded by UMS RRF, 1.19 (HL, PI).
- 2019 “Development of a Low-Cost Environmental Observing Buoy for Aquaculture Site Prospecting.” (\$43,000). Awarded by UMS Research Reinvestment Fund (RRF), 1.19 (HL, PI).
- 2019-2020 “Identifying Shared Values for the Future of Sustainable Marine Aquaculture in Maine.” (\$45,669). Broad Reach Fund in award 2.19, NCE to 6.20 (HL, Lead PI).
- 2018-2019 “Supporting the Darling Marine Center as a Research and Demonstration Farm for Shellfish and Seaweed Aquaculture in Maine.” (\$7000). Funded by the Maine EPSCoR Research Intensive Farm Program, 4.16 (HL, Lead PI).
- 2018 “Coastal Ecosystem Science for Maine’s Marine Economy & Coastal Communities.” (\$30,000), Funded by the University of Maine System Research Reinvestment Fund to support the SEA Fellows Program (HL, Lead PI).
- 2017 Enhancing community engagement through communication (\$4500). Maine Sea Grant Program Development Funds (HL, co PI)
- 2016-2017 Supporting the Darling Marine Center as a Research and Demonstration Farm for Shellfish and Seaweed Aquaculture in Maine. (\$8400). Funded by the Maine EPSCoR Research Intensive Farm Program, 4.16 (HL, Lead PI).
- 2016 SEA Fellows, an innovative undergraduate training program in applied marine science (\$75,000). Funded by Maine EPSCoR Program (HL, Lead PI)
- 2011-2014 Aligning marine management institutions with key ecological and economic linkages in the Gulf of California, Mexico (\$243,358). Funded by the US NSF’s Coupled Natural and Human Systems Program (HL, Lead PI)

7. Research Grants (continued)

Completed Grants (continued)

2014	Coupled social-ecological marine systems of Baja California Sur, Mexico. Brown University Faculty Research Award (\$8000).
2009-2014	Communicating and Translating Place-Based Knowledge to Improve the Practice of Marine Ecosystem-Based Management (\$250,974). Funded by the David and Lucile Packard Foundation (HL, Lead PI)
2010-2014	NSF IGERT: Reverse Ecology (David Rand, Lead-PI; HL, Participant)
2013-2014	Marine hydrokinetic energy harvesting using cyber-physical systems (\$750,000). Funded by US Dept. of Energy's ARPA-E (HL, Co PI)
2013	Measuring Ecosystem Health (\$1000). Funded by Brown University Humanities Research Funds (HL, Lead PI)
2012	Building an international research & training partnership in Mexico's Gulf of California (\$7000). Funded by Brown University. (HL, Lead PI)
2012	Integrating social and institutional dynamics into coupled natural and human system investigations (\$20,000). Brown U. Envir. Change Initiative (HL, Lead PI)
2010-2012	Biogeography, diversity, and function of salt marsh bacterial communities: A transplant experiment (\$24,939). Brown-MBL Seed Funding. (HL, co-PI)
2008-2013	Evaluating progress of marine ecosystem-based management efforts (\$247,540) Funded by the David and Lucile Packard Foundation (HL, Lead PI)
2011-2012	Linking global thinking & local action: The Brown Environmental Fellows Program, Year 2. (\$35,000) Funded by the Thoreau Foundation (HL, Lead PI)
2011-2012	Ecosystem health project (\$625). Funded by Brown Univ. (HL, Lead PI)
2009-2011	Managing for resilience: Science to ecosystem-based management in the Sea of Cortés (\$110,000), Funded by the Packard Foundation (HL, Lead PI)
2010-2011	<i>Speaking of Science</i> seminar series (\$3500). Brown U. funds (HL, Lead PI).
2009-2011	NSF Career Development Award, Brown U. ADVANCE Program (\$23,850)
2009-2010	Linking Global Thinking & Local Action: The Brown Environmental Fellows Program (\$35,000), Funded by the Thoreau Foundation (HL, Lead PI)
2009-2010	Linking global thinking & local action: Brown Environmental Fellows Program, (\$10,000), Funded by Brown U. Swearer Center for Public Service (HL, Lead PI)
2009-2010	Community-based research and learning in environmental science (\$4000). Funded by the Brown U. Swearer Center (HL, Lead PI)
2009-2010	Creating a coral conservation ethic - an experiential art installation. HL (Lead PI), Funded by Brown Univ. Research Funds (\$1800)
2006-2011	Sea of Cortés ecosystem-based management project, (HL, co-PI), Funded by the David and Lucile Packard Foundation (\$244,000)
2008-2009	Social and economic drivers of change in the Gulf of California (\$3000), Funded by Brown U. Research Funds (HL, co PI)
2008	Developing the science of marine ecosystem-based management (\$19,684), Funded by James S. McDonnell Foundation via Santa Fe Institute (HL, Lead PI)
2006	RI-EPSCoR 2008 Summer Research Fellowships (awarded to 2 advisees; \$7800)

7. Research Grants (continued)

Completed Grants (continued)

2004-2007	Postdoctoral Support (\$85,000). Funded by McDonnell Program on Social Robustness, Santa Fe Institute (HL, Lead PI)
2004-2005	Marine Resilience Assessment Project (\$100,000). Funded by Packard Foundation (HL, co PI)
2003	University Club Foundation Fellowship, Portland, Oregon (\$5,000)
1999-2000	Grant for reserve research, HL (co-PI), Funded by Environ. Defense (\$10,000)
2002-2004	Markham Research Award, OSU Hatfield Marine Science Center (\$5,000)
1999-2002	Graduate Research Fellowship, National Science Foundation (\$75,000)
1996-1997	Benjamin A. Trustman Traveling Fellowship, Harvard University (\$10,000)

Endowments & Gifts

2015-2023	Darling Marine Center directed funds for Research and Student Support. In addition to the awards listed above, as DMC Director, HL led and contributed to fundraising that resulted in more than \$500,000 from private philanthropy.
2011	Brown Environmental Fellowship Endowment (\$625,000), plus current use support (\$125,000 for 2011-2015) (HL, founding director)

Grants Pending

None

7. Research Grants (continued)

Grants Submitted but Not Awarded (selected)

2025	Building knowledge and capacity for shellfish restoration in the Damariscotta River Estuary (\$127,943). Submitted 10.14.25 to the Maine Coastal and Marine Climate Fund of the Maine Community Foundation. (HL, PI)
2024	“Strengthening the forces of social cohesion to support community resilience to climate change.” (\$200,000) Submitted 11.7.24 to the Andrew Carnegie Fellows Program (HL, PI)
2024	“Citizen Science in Support of Fishing Community Resilience in the Northeastern U.S.” (\$198,566) Submitted 10.31.24 to NOAA (HL, PI)
2024	“Mapping PFAS levels in farmed and wild oysters in midcoast Maine.” (\$250,000) Pre-proposal submitted 10.31.24 to the UMaine Cooperative Extension Program (HL, PI). <i>Full proposal invited but we deferred, to continue project scoping in collaboration with potential community and industry partners.</i>
2024	“Bridging the gap: Synthesizing shellfish restoration best practices to support Maine community and ecosystem resilience.” (\$166,321) Submitted 10.18.24 to the Maine Community Foundation (HL, PI)
2024	“Listening for healing: (Re)storying the past, present, and future of coastal access.” (\$128,261) Submitted 10.24.24 to the Maine Community Foundation (HL, Co-PI)
2024	“Rapid assessment of marine larvae to support enhanced production of farmed seafood” (\$263,971). For NOAA Aquaculture Program, sent 4.3.24 (HL, co-PI)
2022	John Simon Guggenheim Memorial Foundation Fellowship. Proposal submitted 9.16.22 (HL, PI)
2021	“Accelerating Maine’s Blue Economy to Support Community Recovery & Resilience” (\$492,660). US Economic Development Administration (EDA) Phase 1 Concept Paper declined 12.21. (HL, Lead PI)
2021	NRT: Ecosystem science in the face of rapid ocean change: a convergence approach (\$2,992,841). NSF proposal submitted 2.23.21 (HL, Lead PI)
2021	NSF Convergence Accelerator Track E: Implementing Climate Action for a Sustainable Ocean - Building an equitable framework for research and monitoring Blue Economies (\$429,977). Submitted 6.14.21 (HL, senior personnel)
2020	DISES: Dynamics of governance, landscape-livelihood linkages, small-scale fisheries and aquaculture in a mangrove socio-environmental system (\$1,598,396). NSF proposal submitted 11.20 (HL, Senior Personnel & Advisor)
2020	Development of a low-cost environmental observing buoy for aquaculture site prospecting and water quality monitoring (\$315,676 subaward to UMaine). Submitted 5.20 to AFRI Agriculture Systems & Tech. Program (HL, Co PI).
2020	NRT: Ecosystem science in the face of rapid ocean change: a convergence approach (\$2,999,497). Proposal to the NSF. Declined 8.20 (HL, Lead PI).
2019	CNH-L: Measuring adaptive responses that strengthen governance of marine resources along the Baja California Peninsula (\$1,586,442 total requested). CNH2 Proposal to the US NSF, declined 7.19 (HL, co-PI)

7. Research Grants (continued)

Student Grants and Honors (selected)

2025	Sarah Risley, CERF 2025 Student / Early Career Participation Award
2023	Sarah Risley, NEAMGLL Student Award
2022	Jessica Reilly-Moman, Finalist for the Smith Conservation Research Fellowship
2022-24	Sarah Risley, UMaine Flagship Doctoral Fellowship Recipient (\$60,000)
2020-22	Sarah Risley, DMC Education & Com. Engagement Grad. Fellow (\$50,000)
2021	Marina Cucuzza, NOAA Sea Grant Knauss Fellowship
2019	Sarah Risley, Partnership for a Sustainable Maine Program Scholar (\$5000)
2019	Kara Pellowe, Broad Reach Fund Shellfish Resilience Project (\$13,000)
2019	Marina, Cucuzza, Switzer Fellow Finalist
2019	Marina Cucuzza, Graduate Student Government Travel Grant
2019	Kara Pellowe, Graduate Student Government Travel Grant
2019	Marina Cucuzza, Maine Shellfish Resilience Community Grant
2018	Marina Cucuzza, Maine Sea Grant & Lobster Institute Scholar (\$45,000)
2017	Kara Pellowe, ESA Aquatic Ecology Section Award (\$200)
2017	Kara Pellowe, ESA Policy Section Award (\$400)
2015	Kara Pellowe, Society for Conservation Biology Marine Small Grant (\$700)
2015	Kara Pellowe, Honorable Mention, Graduate Research Fellowship Program
2014	Sarah Crosby, US EPA STAR Graduate Fellowship (as of Fall 2014)
2014	Sarah Crosby, MBL Watson Fellowship (\$25,000)
2014	Kara Pellowe-Wagstaff, Graduate research funding, Brown Univ. (\$2000)
2014	Kara Pellowe-Wagstaff, Env. Studies Apprenticeship Award (\$2150)
2014	Kara Pellowe-Wagstaff, Watson Summer Funding (\$2200)
2014	Kara Pellowe-Wagstaff, S4 GIS Fellow and Workshop Participant, June 2014
2014	Kara Pellowe-Wagstaff, INVEST training, Woods Institute, Stanford University
2013	Sarah Corman, Dept of EEB Internal Dissertation Improvement Grant
2013	Karen Cortes, Voss Environmental Fellowship (\$4000)
2013	Katherine Siegel, Award for Outstanding Service to the Center for Env Studies
2013	Katherine Siegel, Distinguished Senior Prize for senior honors thesis
2013	Katherine Siegel, Best Student Poster, Center for Environmental Studies
2012	Katherine Siegel, Brown Univ. Voss/UTRA Environmental Fellowship (\$4000+)
2012	Sarah Corman, EPSCoR travel award
2011	Sarah Corman, Best poster presentation, CERF
2011	Emily Lamb, Fulbright Scholarship in Marine Ecology (to Chile)
6/2011	Lauren Watka, Environmental Studies Summer Research Grant (\$1000)
2011	Caitlin Brisson, NSF RI-EPSCoR 2011 Summer Research Fellowships (\$4500)
2011	Bridgette Black, 2011-2012 Brown Environmental Fellowship (\$3500)
2011	Morgan Ivens-Duran, 2011-2012 Brown Environmental Fellowship (\$3500)
2010	Sarah Corman, Best graduate student proposal, EEB (\$500)
5/13	Katherine Siegel, awards for Best CES Thesis Poster, and 1 of 3 CES awards
5/13	Katherine Siegel, nominated for the Brown University Distinguished Senior Prize
2013	Katherine Siegel, Rhodes Scholar finalist
5/11	Allison Wentz, Distinguished Senior Thesis Award in Applied Mathematics

7. Research Grants (continued)

Student Grants and Honors (selected, continued)

12/10	Leila Sievanen, CHANS Fellowship for the 2011 AAAS Annual Meeting (\$870)
7/10	Sarah Corman, Nat. Park Service Wright Climate Change Fellowship (\$20,000)
6/10	Allison Wentz, NSF REU in Applied Math & Biology, Brown Univ. (\$3500)
4/10	Courtney Mattison, Environmental Studies Summer Research Grant (\$4190)
2/10	Sarah Corman, NEERS Graduate Fellowship (\$20,000 for each of 3 years)
2009	Nathaniel Chu, 2009 Summer UTRA (\$3500)
2009	Scott Lowenstein, Brown University International Scholar (\$4000)
5/09	Joanna Bernhardt, Biology Senior Prize
1/09	Joanna Bernhardt, 2009 Spring UTRA (\$1000)
3/08	Joanna Bernhardt, 2008 Summer ESPCOR Fellow (\$4000)

8. Service

To the University

2025-26	Marine Policy Grad. Program Coordinator, UMaine School of Marine Sciences
2025-26	Policy Advisory Committee, UMaine School of Marine Sciences
2025	Faculty Representative, SMS Grad. Student Symposium Organizing Committee
2024 on	Leadership Council, UMaine Mitchell Center for Sustainability Solutions
2021-2023	Steering Committee, UMaine MARINE
2021-2022	Search Committee, Fisheries Scientist, UMaine School of Marine Sciences
2021-2022	Chair, Peer Review Committee, UMaine School of Marine Sciences
2022	Search Committee, Marine Policy Research Faculty, UMaine SMS
2021	Co-Chair, Research Learning Experiences WG, UMS TRANSFORMS Initiative
2020-2022	Graduate Advisory Board, Ecology & Environmental Sciences Program
2020	Leadership Team, Maine Center for Genetics in the Environment
2020	University Committee, to pursue Association of Public and Land-Grant Universities' Innovation and Economic Prosperity (IEP) designation for UMaine, appointed by President Joan Ferrini-Mundy
2019-2024	Executive Committee, Maine eDNA Project (NSF-funded, statewide project)
2017-2021	Peer Review Committee member, UMaine School of Marine Sciences (SMS)
2017-2021	Program Coordinator, Professional Science Masters Program, UMaine SMS
2017-2020	Marine Sciences Advisory Council, convened by the UMaine VP for Research
2016-2023	Founding Director, SEA Fellows Program, University of Maine System
2015-2022	Executive Committee, College of Natural Sciences, Forestry, and Agriculture
2015-2023	Member, Graduate and Undergraduate Curriculum Committees, UMaine SMS
2015-2023	Policy Advisory Committee, UMaine School of Marine Sciences
2017-2018	Pathway 1 Strategic Plan Assessment Team, UMaine
2017	Search Committee, Maine Sea Grant Director
2017	Search Committee, Coordinator for the Alliance for Maine's Marine Economy
2009-2015	Founding Director, Voss Environmental Fellowship Program, Brown University
2013-2015	Concentration advisor, Environmental Studies & Science, Brown University
2014	Student Research Funds Selection Com., Center for Env. Studies, Brown Univ.
2013-2014	Engaged Scholarship Steering Committee member, Swearer Center
2012	Open Access Committee member, Brown University
2009-2012	Lead Concentration Advisor, Environmental Science. Brown University
2010, 2011	Selection Comm., Brown Undergraduate Research & Teaching Awards (UTRAs)
2008-2010	Sheridan Center for Teaching and Learning Faculty Liaison, Brown University
2008-2010	Graduate Committee, Center for Environmental Studies, Brown University
3/10	Environmental Science exhibitor, Science Center Grand Opening, Brown Univ.
7/09-9/09	Professional Development Working Group, HHMI Undergraduate Science Ed. Grant
1/09-4/09	Visiting Asst. Professor Search Committee member, Brown University
10/08	Co-facilitator, Social-Ecological Drivers Working Gp., ECI Retreat, Brown Univ.
6/08	Brown University Staff Development Day, Invited Speaker
11/07-3/08	Center for Environmental Studies Relocation Committee, Brown University

8. Service (continued)

To the University (continued)

1/08 Graduate Admissions Com., Dept. of Ecology & Evolutionary Biol., Brown Univ.
12/07-2/08 Environmental Economist Search Committee member, Brown Univ.

To the Profession & the Community

Editorial & Review roles

- 2020 Guest-edited special issue of *Philosophical Transactions B on Integrative Research Perspectives on Marine Conservation*
- 2019 Guest-edited special issue of *Oceanography* on *PISCO, the Partnership for Interdisciplinary Studies of Coastal Oceans*
- Annually review 5-8 papers for diverse journals, including *BioScience*, *Conservation Biology*, *Ecological Applications*, *Ecology*, *Ecology Letters*, *Fish and Fisheries*, *Frontiers in Ecology and the Environment*, *Maine Sea Grant*, *Marine Biology*, *PLOS ONE*, and *Proceedings of the National Academy of Sciences of USA*
 - Annually review 1-3 grant and book proposals for different entities, including the *US National Science Foundation* and multiple academic presses
 - Serve as external reviewer for tenure cases and doctoral dissertations (3-5 cases per year)

Advisory roles

2018 on Board of Trustees, Maine Chapter of The Nature Conservancy
2022-2026, Vice Chair

2016-25 Member, Damariscotta-Newcastle Joint Shellfish Committee [municipal gov't]

2019-22 Co-chair, Coastal and Marine Working Group, Maine Climate Council

2021-22 Science Advisory Committee, Maine Center for Coastal Fisheries

2020-23 Maine eDNA External Advisory Committee (HL supported the 12-person committee and served as liaison between the EAC and Maine eDNA team)

2020-2021 Steering Committee member, CANVASS (*Coastal Alliance Network for Visualization, Assessment, Science, and Stakeholders*)

2018 Advisory Board, Ocean Modeling Forum

2018-2020 Advisory Committee of a NOAA-funded Regional Ecosystem-based Management Review project, organized by the University of Maryland

2017-2018 Chair, Advisory Group, Alliance for Maine's Marine Economy

2016-2018 Ecosystem-Based Management Working Group, NE Regional Planning Body

2015-2018 Steering Com., RARGOM (Regional Assoc. for Research on the Gulf of Maine)

2010-2015 Board of Trustees, Rhode Island Chapter of The Nature Conservancy

8. Service (continued)

To the Profession & the Community

Advisory roles (continued)

- 2009-2013 Communication Partnership for Science and the Sea (COMPASS), Advisor
- 2010-2012 RI Bays, Rivers, and Watersheds Coordination Team, Sci. Advisory Committee
- 2009-2011 Natural Capital Project's Marine Initiative
- 2008-2010 The Nature Conservancy's Science Team, NW Atlantic Marine Eco. Assessment

Workshops organized (selected)

- 2022 Marine Ecosystem-Based Management Progress Evaluation Group (MEBM-PEG) Workshop, Steering Committee member and participant, 10.11-10.14.22 (virtual)
- 2021 MAREA+Seminar Series, October-November 2021 (virtual).
- 2020 MAREA Coupled Systems Workshop for the Mexico Coupled Natural Human Systems Project. Co-organizer for NSF-funded workshop. March 2-6, 2020. La Paz, Mexico.
- 2019 MAREA Coupled Systems Workshop for the Mexico Coupled Natural Human Systems Project. Host and organizer for NSF-funded workshop. May 5-10, 2019. La Paz, Mexico.
- 2018 MAREA Coupled Systems Workshop for the Mexico Coupled Natural Human Systems Project. Host and organizer for NSF-funded workshop. Aug. 12-17, 2018. Walpole, ME.
- 2017 Ecosystem-Based Fisheries Management and Co-Management. Co-lead for workshop sponsored by the Mitchell Center. Sept. 27-28, 2017. Walpole, ME.
- 2017 People and Ocean Change. Co-lead for communications and engagement workshop sponsored by COMPASS, March 2017, Arlie, VA.
- 2016 MAREA Coupled Systems Workshop for the Mexico Coupled Natural Human Systems Project. Co-organizer for this NSF-funded workshop. November 2016, La Paz, Mexico.
- 2012 Science Communication Workshop for Brown University Faculty, organized in collaboration with COMPASS, April 2012, Providence, RI
- 2011 Marine Conservation Success through Synthesis and Story, August 23-25, 2011. Univ of Washington's Helen R. Whiteley Center, Friday Harbor Laboratories, WA.
- 2007 COMPASS Communications Training for Young Scientists, Durham, NH
- 2005 Applying resilience theory to improve ocean management, Princeton University

8. Service (continued)

To the Profession & the Community

Symposia organized

- 2024 Designing monitoring and evaluation efforts to deliver stronger evidence for conservation impact (co-organizer and speaker), Working session for The Nature Conservancy's One Conservancy Science Gathering, Mexico City, Mexico. 11.13.24.
- 2023 Engagement and Ecology in Environmental Communication: Ethics, Difference, and Collaborative Methods (co-organizer), Panel session for the 2023 Conference on Communication and the Environment, Harrisonburg, VA. 6.8.23.
- 2022 Knowledge co-production and integration to support sustainable use of marine resources (co-organizer), Organized hybrid session for the Small-Scale Fisheries Latin America and the Caribbean Congress, Merida, Yucatan, Mexico. 10.27.22.
- 2021 Advancing Understanding of Lake, River and Coastal Marine System Dynamics Using Environmental DNA (co-convener), Maine Water and Sustainability Conference, 4.1.21
- 2020 Changing ecosystems, economies, and cultures in the Gulf of Maine region (Convener), Virtual RARGOM Annual Science Meeting, 10.14.20
- 2015 Coupled Natural and Human Systems Science: The Need, Challenges and Rewards (Co-Organizer & speaker), Ecological Society of America Annual Meeting, Baltimore, 8/15.
- 2014 Use-Inspired Ecological Research that Moves Knowledge to Action (Co-organizer and speaker), Ecological Society of America Annual Meeting, Sacramento, CA, 8/15/14.
- 2013 Use-Inspired Research, a.k.a Science Managers Can Use (Co-organizer and speaker), TNC All-Science Meeting, San Jose, CA, 12/12/13.
- 2013 Ecosystem-Based Management in Practice (Co-organizer and speaker), International Congress for Conservation Biology, Baltimore, MD, 7/25/13.
- 2009 Connecting people and places to advance ecosystem-based management for the oceans (Co-organizer, speaker, & moderator), Int. Marine Cons. Congress, Fairfax, VA, 5/21/09.
- 2008 Valuing ocean services in the Gulf of Maine (Symposium co-organizer and moderator). AAAS Annual Meeting, Boston, MA, 2/16/2008.
- 2008 Embracing change: a new vision for management in coastal marine systems (Co-organizer and speaker). AAAS Annual Meeting, Boston, MA, 2/17/2008.
- 2004 Reserve Design Symposium. Society for Conservation Biology. New York, NY. 7/04.

8. Service (continued)

To the Profession & the Community (continued)

Panel and workshop invitations (selected)

- 2024 Invited speaker, “Community-Led Research and Monitoring: A Story from Maine, USA,” The Nature Conservancy’s One Conservancy Science Gathering, Mexico City, Mexico. 11.13.24.
- 2024 Advancing Fishing Community Resilience and Adaptation in a Changing Climate, NOAA-organized East Coast workshop, Silver Spring, MD. 3/12-14/24.
- 2022 US National Science Foundation Science Advisory Panel, for the BIO Directorate
- 2021 Panelist, Biodiversity & Conservation Session. iFAST Theoretical Ecology Symposium to celebrate Dr. Simon Levin’s 80th Anniversary and honor his outstanding contributions to theoretical ecology, 7.28.21 (virtual).
- 2020 Invited speaker, Gordon Research Conference in Ocean Global Change Biology, Waterville Valley, NH, 7.20 (cancelled due to COVID-19)
- 2020 Energy & Marine Transportation Work Group, Blue Climate Initiative
- 2019 Plenary speaker, International workshop on marine biodiversity research, Helmholtz-Institute for Functional Marine Biodiversity (HIFMB)
- 2019 Eastern Maine Coastal Current State of the Science Conference, Machias
- 2019 PICES 2019 Annual Meeting, Nominated Invited Speaker (declined)
- 2017 Plenary speaker, Coastal and Estuarine Research Federation (CERF) Biennial Meeting. Providence, RI. 11.17.
- 2014 UC Multicampus Research Program & Initiatives Program Panel (declined)
- 2013 The Nature Conservancy’s All Science Meeting, San Jose, CA
- 2013 Coupled Natural & Human Systems Panel, US NSF (declined)
- 2013 Coastal SEES Panel, US National Science Foundation (declined)
- 2013 Ocean Carbon and Biogeochemistry (OCB) Scientific Steering Com. (declined)
- 2013 Coastal SEES Panel, US National Science Foundation, Conducted virtually, 3/13.
- 2013 S4 GIS Institute, Brown University
- 2012 National Academy of Sci. sponsored workshop, sustainability science (declined)
- 2011 Charting a Path to Sustainability, Nat. Academies Keck Futures Initiative. 11/11
- 2010 NCEAS working group on Marine Ecosystem Health, Santa Barbara, CA (2 yrs)
- 2010 COMPASS Ecosystem Services Science and Communication, Washington, DC
- 2010 NROC Coastal and Marine Spatial Planning (CMSP) Workshop, Portsmouth, RI
- 2009 National Academy of Sci. sponsored workshop, sustainability science (declined)
- 2007 WEBS: Women Evolving the Biological Sciences. UW Pack Forest, Washington
- 2006 Climate change, upwelling, fisheries, and coastal communities, Trieste, Italy
- 2005 Marine Ecosystems Dynamics Consortium Workshop, Cape Town, South Africa
- 1998 NCEAS working group on the Science of Marine Reserves, Santa Barbara, CA (3 yrs.)

8. Service (continued)

To the Profession & the Community (continued)

Legislative and policy briefings (selected)

- 2025 Visits with Senators King and Collins, as well as staff of the Office of Congresswoman Pingree, with fellow Trustees and staff of The Nature Conservancy in Maine, Washington, DC. 10.8.25
- 2022 Briefing to Rep. Lydia Crafts (HD 90) on marine resources and offshore wind research at UMaine's Darling Marine Center, 9.23.22
- 2021 Testimony, Joint Standing Legislative Committee on Marine Resources, 1.26.21
- 2020 Briefing to Maine State Legislators, 12.17.20
- 2020 Testimony, Joint Standing Legislative Committee on Marine Resources, 2.4.20
- 2019 Testimony, Joint Standing Legislative Committee on Marine Resources, 1.17.19
- 2009 President Obama's Ocean Policy Task Force Working Group, Council on Environmental Quality, Dept. of Commerce, Washington, DC
- 2005 Briefing to John H. Marburger III, Science Advisor to the President, Princeton U.
- 2000 Pacific Fishery Management Council, Habitat Advisory Group, Vancouver, WA

Science communication and policy engagement trainings (where HL played a trainer/lead role)

- 2023 Maine-eDNA graduate student training in engaged research, UMaine Darling Marine Center, Walpole, ME. 5.24.23.
- 2022 SEA Fellows Program for Undergraduate Researchers (virtual)
- 2021 SEA Fellows Program for Undergraduate Researchers (virtual)
- 2019 SEA Fellows Science Com. Training & Science Symposium, Walpole, ME
- 2018 SEA Fellows Science Com. Training & Science Symposium, Walpole, ME
- 2017 COMPASS communications & engagement workshop for early and mid-career researchers: People & Ocean Change, Arlie, VA

8. Service (continued)

To the Profession & the Community (continued)

Science communication and policy engagement trainings (cont.)

- 2016 SEA Fellows Science Com. Training & Science Symposium, Walpole, ME
- 2012 Communications Workshop for Faculty & Postdocs, Brown University
- 2008 Massachusetts Ocean Partnership's 'Ocean Management 101' Workshop, Boston
- 2007 COMPASS Communications Training for Young Scientists, Durham, NH

Informal and public education (selected)

- 2025 Creative Writing Retreat for Lincoln Academy sophomores (150 students), UMaine Darling Marine Center, 10.28-29.25.
- 2025 TNC Maine Director's Circle Field Trip to Rachel Carson Salt Pond Preserve, 5.19.25 (Co-Lead)
- 2025 Briefing to the Select Board of the Town of Damariscotta regarding the Damariscotta River Estuary Community Science Program and upcoming Community Resilience funding and action opportunities, 4.2.25
- 2024 Briefing on the Damariscotta River Estuary Community Science Program for the Central Regional Shellfish Committee organized by the Maine Department of Marine Resources, Belfast, ME, 12.2.24
- 2024 Briefing to the Select Board of the Town of Damariscotta regarding the Damariscotta River Estuary Community Science Program and upcoming Community Resilience funding and action opportunities, 11.6.24
- 2024 Briefing to the Select Board of the Town of Newcastle regarding the Damariscotta River Estuary Community Science Program and upcoming Community Resilience funding and action opportunities, 10.29.24
- 2023 "Introduction to the Darling Marine Center" for the Midcoast Stewards, 4.13.23.
- 2023 "Introduction to the Darling Marine Center" for Midcoast Council of Governments, 4.13.23.
- 2023 "Summary of Shellfish Survey Data for the Upper Damariscotta River Estuary," presented to the Joint Shellfish Committee of the Towns of Damariscotta and Newcastle, 4.12.23.
- 2023 "Introduction to the Darling Marine Center" for Maine Academy of Natural Sciences, 4.10.23.
- 2022 "An update from the Darling Marine Center: Challenges and opportunities of engaged research," Darling Marine Center summer seminar, 7.15.22.
- 2022 "Darling Marine Center & Damariscotta River Estuary: Connecting research and education with local knowledge and interests," Coastal Senior College virtual Brown Bag series, 3.7.22.
- 2021 "Adaptation, Resilience & Transformation in Maine Coastal Communities," Carpenter's Boatshop Online Series, 12.2.21.

8. Service (continued)

To the Profession & the Community (continued)

Informal and public education (continued)

- 2021 “Adaptation, Resilience & Transformation in Maine Coastal Communities” for the Lakes Region Forum, Bailey Public Library, 4.28.21
- 2021 “Introduction to the Darling Marine Center” for the Midcoast Stewards, 4.16.21
- 2021 Ecology and Environmental Sciences, UMaine School of Marine Sciences Marine Science Club presentation, 3.15.21
- 2020 Age of Nature Tiny Screen Lecture, “*Maine’s Oceans: How Science Is Powering Resilience for Coastal Ecosystems and Communities*,” Co-sponsored by Maine Public and The Nature Conservancy in Maine, 10.8.20 (virtual)
- 2020 Darling Marine Center Summer Science Seminar, 8.7.20 (virtual)
- 2020 Maine-eDNA session (chair), Aquaculture Research, Development and Education Summit, Belfast, Maine 1.17.20
- 2019 Darling Marine Center-Lincoln Academy Project Day, November 2019
- 2019 Kennebec Valley Chapter, UMaine Alumni Association, 4.4.19.
- 2019 Portland Chapter, UMaine Alumni Association, 4.25.19.
- 2018 Rockland Rotary Club, 10.2018.
- 2018 Great Salt Bay Community School guest marine educator for 1st and 2nd grades (6/18) and 3rd grade (11/18), engaging more than 100 kids and 6 UMaine students
- 2018 Invited presentation, Rockland Rotary Club
- 2018 Coffee with the Director, Darling Marine Center, Walpole, ME, 6.16.18
- 2017 Invited presentation, Harpswell Heritage Land Trust. Harpswell, ME. 11/20/2017.
- 2017 Darling Marine Center, Connecting People to the Ocean, invited panelist for a ‘Working Waterfront’ session of the Twin Villages Alliance Business Forum, Damariscotta, Maine 9/20/2017.
- 2017 Invited presentation, Kennebec Estuary Land Trust. Bath, Maine, 5/31/2017.
- 2017 Invited presentation, ‘Chats with Champions’ series at Skidompha Library, Damariscotta, ME, 7/24/2017
- 2016 Invited presentation, Rotary Club of Damariscotta and Newcastle
- 2016 Plenary Speaker, Annual Meeting of the Lincoln County Regional Planning Commission, Walpole, ME, Apr. 2016.
- 2014 Invited Speaker, Place-Based Education panel, Brown Univ. (11.13.14)
- 2014 Beneath the Waves Film Festival, Invited speaker (4.30.14)
- 2013 Invited speaker, UCCAP/Sweaver Engaged Research session, Brown U. (11.13)
- 2013 Guest teacher, The Learning Community, Central Falls, RI
- 2013 Invited speaker, *Eating with the Ecosystems*, Hourglass Brassiere, Bristol, RI

9. Awards and Recognition

2025	Restoring Force Fellowship, Knoll Farm & Island Foundation, VT (declined)
2023	Storymakers Fellow, University of Southern California Wrigley Institute
2022	Elected Fellow, AAAS (American Association for the Advancement of Science)
2021	<u>State of the University Address</u> , Invited by UMaine President Joan Ferrini-Mundy to reflect on my experience with the Maine Climate Council in 2020. 2.11.21
2019	Kolshorn Lecture, Department of Fisheries, Wildlife and Conservation Biology, University of Minnesota (9.19)
2019	California Ocean Protection Council Working Group re network-wide evaluation of California's MPA network (nominated and declined)
2019	PICES-2019 Invited Plenary Speaker, Victoria, BC (declined)
2018	Outstanding Public Service Award, UMaine College of Natural Sciences Forestry and Agriculture
2017	Faculty Excellence Award, UMaine Alumni Association
2017	UMaine Faculty Fellow for 2017-2018
2017	Nominated as a Pew Fellow in Marine Conservation for 2018
2015-16	Leopold Leadership Fellow
2012	Innovation Scholar, Science Coalition
2012	MEAS Invited Scholar, University of Alaska (declined)
2011	National Academies/Keck Futures Initiative Scholar
2011	Helen R. Whiteley Center Scholar, University of Washington
2011	Brown Environmental Fellows Program endowed by Peter and Pamela Voss
2009	Engaged Scholar, honored by Brown's Swearer Center for Public Service, in recognition of the Brown Environmental Fellows Program founded by HL
2009	Departmental nominee for the Packard Fellowship for Science and Engineering
2008	Installed as the inaugural Peggy & Henry D. Sharpe Asst. Professor, Brown U.
1999-2002	National Science Foundation Graduate Research Fellow
1996	Certificate of Distinction in Undergraduate Teaching, Harvard University
1995	National Science Foundation REU in Forest Ecology, Oregon State University
1995	National Sci. Foundation Research Experience for Undergraduates Fellowship
1992-1996	Elizabeth Agassiz Award of Merit, Harvard University
1992-1996	John Harvard Scholarship, Harvard University

10. Media Coverage

* Additional articles available via UMaine News, available through <https://umaine.edu/news>

- _____. 2025. "LA students explore nature & writing at Darling Center." Published [online](#), 11.12.25.
- Lie-Nielsen, K. 2025. "Wild oysters make a comeback in Maine. Published [online](#), 10.14.25.
- News Center Maine. 2025. "Oyster species that vanished from Maine waters seem to be returning." Broadcast [online](#), 6.4.25.
- Ogrysko, Nicole. 2025. "Wild oysters on the rise, softshell clam population declining in the midcoast." Broadcast [online](#), 5.27.25.
- Neufeld, Kay. 2025. "Wild Oysters Are Returning to midcoast Maine Waters." *Portland Press Herald*, May 23, 2025, Published [online](#), 5.22.25.
- _____. 2025. "Darling Marine Center documents local shellfish harvesting trends, changes." Lincoln County News, Published online 5.22.25
- UMaine News. 2025. "Darling Marine Center documents local shellfish harvesting trends, changes." Published [online](#), 5.13.25.
- Heyck-Merlin, S. 2025. Melding Art and Science to Strengthen Resilience in the Damariscotta River Estuary." Published [online](#), 5.25.
- News Center Maine. 2024. "UMaine students meet early as part of long-standing program." Published [online](#), 9.10.24.
- UMaine News. 2024. "Transformation of ocean management is underway, study finds." Published [online](#) 5.9.24.
- UMaine News. 2024. "Business operations affect fishermen's resilience to climate change, new study finds." Published [online](#) 2.22.24.
- Stanford University. 2024. "How fishing cooperatives in Baja California weathered marine heat waves." Published [online](#) 3.18.24.
- Duke University. 2024. "Study shows how local fishers respond to climate challenges." Published [online](#) 2.22.24.
- _____. 2023 "New NSF-funded program will train future leaders in the face of rapidly changing ocean." Published [online](#) 8.24.23.
- _____. 2023 "Developing the Next Generation of Engaged Environmental Leaders." Published [online](#) 2.13.23.
- UMaine News. 2023. "Heather Leslie, Darling Marine Center Director, named 2022 AAAS fellow." Published [online](#) 1.31.23.
- _____. 2022. Student-Led Community Science Program Supports Shellfish Management. The Lincoln County News. Published [online](#) 6.2.22.
- UMaine News. 2022. Darling Marine Center graduate students make their homes and futures in Maine. Published [online](#) 5.28.22
- Drzewiecki, A. 2022. "Character of the County: Where the tide is with Heather Leslie." The Lincoln County News. Published [online](#) 4.27.22.
- _____. 2022. Sea Grant, DOE, NOAA Fisheries fund six projects for the coexistence of offshore energy with Northeast fishing and coastal communities. [Online](#) 5.19.22.
- _____. 2021. "Darling Marine Center Co-Hosts Statewide Student Research Symposium." *The Lincoln County News*, Published online 8.24.21.

10. Media Coverage (continued)

- Houk, E. 2020. "Darling Marine Center Halfway Through Damariscotta River Shellfish Study." *The Lincoln County News*, Published online 12.22.20.
- Schreiber, L. 2020. "\$5.2M rehab of waterfront lab in Walpole will build research and business capacity." *MaineBiz*, published online 11.3.20
- National Science Foundation: 2020 *Research News*: Potential for fisheries co-management shaped by interplay between formal, informal institutions. Published online 9.23.20.
- Schreiber, L. 2020. "Study: Maine's lobster co-management system offers lessons for other fisheries." *MaineBiz*, published online 9.24.20
- National Science Foundation. 2020. *Research News*: Size-selective fishing results in trade-offs between fishery yield, reproductive capacity. Published online 3.17.20.
- Groening, T. 2019. Good science: Ecosystem-based fisheries management. *The Working Waterfront*. August 2019, p. 16.
- Schmitt, C. 2019. Research along Maine's Long Wild Edge. *Maine Boats, Homes & Harbors* 32(2): 44-454. Mar/Apr 2019. <https://maineboats.com/print/issue-157/research-along-maine%E2%80%99s-long-wild-edge>
- Cordes, R. 2018. Development projects taking shape in Rockland, Boothbay, Walpole. 10.15.18. <http://www.mainebiz.biz>
- Bangor Daily News. 2018. UMaine marine research lab to get new pier, seawater facility. UMaine marine research lab to get new pier, seawater facility. <https://bangordailynews.com/2018/05/28/news/midcoast/umaine-marine-research-lab-to-get-new-pier-seawater-facility/> 5.28.18.
- Lincoln County News. 2018. Darling Marine Center Director recognized for Public Service. <http://lcnm.com/announcements/darling-marine-center-director-recognized-for-public-service/> 5.30.18
- UMaine News. 2017. DMC Director Heather Leslie shares vision for UMaine's marine lab <https://umaine.edu/news/blog/2017/10/16/dmc-director-heather-leslie-shares-vision-umaines-marine-lab/>
- UMaine News. 2017. UMaine scientists highlight value of local-scale knowledge of fish, fishermen. <https://dmc.umaine.edu/2017/08/09/umaine-scientists-highlight-value-local-scale-knowledge-fish-fishermen/>. 8.9.17.
- UMaine News. 2017. SEA Fellows share research about lobster shell strength, scallop farming. <https://umaine.edu/news/blog/2017/09/26/sea-fellows-share-research-lobster-shell-strength-scallop-farming/>. 9.26.17.
- NSF. 2015. "Scientists map sustainability challenges in Baja California Sur fisheries. NSF Environmental Research and Education Discovery Series, Part 16. Accessed 28 April 2015. http://www.nsf.gov/discoveries/disc_summ.jsp?cntn_id=134889&org=NSF
- Brown University. 2015. "Combining ecology and human needs, researchers assess sustainability of Baja fisheries." ScienceDaily. Accessed 27 April 2015. www.sciencedaily.com/releases/2015/04/150427163632.htm
- Orenstein, D. 2015. "Researchers assess sustainability in Baja fisheries." Accessed 27 April 2015. <https://news.brown.edu/articles/2015/04/baja>
- Orenstein, D. 2015. "'Ecosystem services' help assess ocean energy development" <http://news.brown.edu/articles/2015/02/tidal>

10. Media Coverage (continued)

- Orenstein, D. 2015. "Blue mussels not yet the bellweather of NE coastal environment" Accessed 2.9.15: <https://news.brown.edu/articles/2014/12/mussels>
- Orenstein, D. 2015. "Leslie named Leopold fellow," Accessed 2.9.15: <https://news.brown.edu/articles/2015/01/leslie>
- Orenstein, D. 2014. "Conservationists call for greater inclusion," Accessed 2.9.15: <https://news.brown.edu/articles/2014/11/gender>
- MEAM Staff. 2014. "Managing for resilient ecosystems: Faced with limited budgets, should we protect the healthiest or restore the degraded?" Accessed 6.21.14 [online](#).
- Tripp, E. 2014. Temperature doesn't effect competition between two barnacles. *Marine Science Today*. Accessed 3.4.14: <http://marinesciencetoday.com/2014/03/03/rival-barnacle-species-temperature/>
- Orenstein, D. "In Chile, rival barnacle keep competition cool." *This week at Brown*, 2.20.2014. Accessed: <http://news.brown.edu/pressreleases/2014/02/barnacles>, reposted elsewhere
- Anonymous. 2012. Ocean health index shows room for improvement. *Science*. 337:784.
- Stockstad, E. 2011. "Fragile Habitat." *Science* 332:405 (profile of ES grad. student C. Mattison)
- Lewis, R. How do you manage US oceans? Look at local successes. *ScienceDaily*. 4/18/2011. <http://www.sciencedaily.com/releases/2011/04/110418114200.htm>
- Marris, E. 2010. Researchers on a mission," *Nature* 466: 784-786. 5 August 2010.
- Lewis, R. Brown scientists to discuss best practices for the oceans. *This Week at Brown*. 2/11/2011. <http://news.brown.edu/pressreleases/2011/02/aaas>
- Anon. 2009. "Communicating EBM: Countering common misconceptions about marine EBM." *Marine Ecosystems and Management* 3(2):3.
- Anon. 2009. "New publications on Marine EBM." *Marine Ecosystems and Management* 3(1):7.
- Weir, K. 2008. Making a mission of resilience science. 2008. *Gulf of Maine Times* 12(2).
- Anon. "Brown expert connects resilience science and marine conservation" *ScienceCentric*. 17 February 2008. Accessed 2/19/08 at <http://www.sciencecentric.com/news/08021713.htm>
- Anon. "Resilience Science Is Promising Approach To Marine Conservation." *ScienceDaily* 17 February 2008. Accessed 2/19/08 at <http://www.sciencedaily.com>
- Interviewed by the BBC nightly news. 18 February 2008.
- Lord, PB. 2007. Scientists convene to look at climate change. *The Providence Journal*. B1-2. Nov. 8, 2007.
- Anon. 2007. Article offers guidance on implementing EBM. *Marine Ecosystems and Management* 1(1):8.
- Fountain, H. 2005. An ideal place to raise a barnacle. *New York Times*, p. D3, July 12, 2005.
- Strehlow, A. 2005. Study ties breeding, food levels. *The Oregonian*, p. D10, July 13, 2005.
- Moser, J. 2005. Underwater adventures at the 'hotspots' of the sea. *The Summer Barometer*, July 27, 2005.
- Environmental News Service. 2005. Barnacle study could influence siting of marine reserves. July 27, 2005. <http://www.ens-newswire.com/ens/jul2005/2005-07-27-09.asp#anchor7>
- Science News Briefs. 2005. Better sites for barnacle babies. Accessed August 1, 2005 at http://www.world-science.net/ScienceNewsBriefs/stories/050711_Better.htm

11. Teaching

Courses taught at the University of Maine and other recent education activities

Fall 2025	<i>Marine Biology</i> (SMS 500), 14 students
Fall 2025	<i>Introduction to Marine Systems</i> (SMS 598), 7 students
Fall 2025	<i>Qualitative Data Analysis for Restoration Science & Practice</i> (SMS 598), 1 student
Summer 2025	<i>Modeling Environmental Decisions</i> (SMS 598), 1 student
Spring 2025	<i>Marine Conservation Science & Practice</i> (SMS 491), 13 students
Spring 2025	<i>Community-Based Coastal Conservation</i> (SMS 400), 1 student
Fall 2024	<i>Marine Biology</i> (SMS 500)
Fall 2024	<i>Convergent Approaches to Ecosystem Science</i> (SMS 598), 7 students
Spring 2023	<i>Marine Larval Ecology, Physiology & Development</i> (SMS 598), 1 student
Fall 2022	<i>Marine Biology</i> (SMS 500)
Fall 2022	<i>Semester-by-the-Sea Seminar</i> (SMS 350), 26 students enrolled
Fall 2021	<i>Marine Biology</i> (SMS 500)
Fall 2021	<i>Semester-by-the-Sea Seminar</i> (SMS 350), 27 students enrolled
Summer 2021	<i>Interdisciplinary Methods for Social-Ecological Systems Science</i> (SMS 598), 11 students enrolled (co-taught with K. Pellowe)
Spring 2021	<i>Topics in Marine Conservation Ecology</i> (SMS 598), 1 student enrolled
Fall 2020	<i>Semester-by-the-Sea Seminar</i> (SMS 350), 26 students enrolled
Summer 2020	<i>Interdisciplinary Methods for Social-Ecological System Science</i> (SMS 598), 17 students from 6 institutions enrolled (co-taught w K. Pellowe)
Fall 2019	<i>Semester-by-the-Sea Seminar</i> (SMS 350), 21 students enrolled
Spring 2019	<i>Readings and Applications of Coupled Social-Ecological Systems Science</i> (SMS 598), 2 graduate students and 4 graduate student auditors
Fall 2018	<i>Semester-by-the-Sea Seminar</i> (SMS 350), 18 students enrolled
2015-2023	As Director of University of Maine's Darling Marine Center, HL had no formal teaching responsibilities. She coordinated all academic and residential life programs associated with Semester-by the Sea (SBS), the residential marine science program at the DMC, and other undergraduate programs at the DMC. She also advised graduate students and postdocs.

Courses taught 2007-2015 at Brown University

Spring 2015	<i>Engaged Env. Scholarship & Communication</i> (ENVS 1965), 10 students
	<i>Marine Conservation Science & Policy</i> (ENVS 1455), 19 students
Spring 2014	<i>Engaged Env. Scholarship & Communication</i> (ENVS 1965), 14 students
Fall 2013	<i>Coastal Ecology and Conservation</i> (ENVS/BIOL 0455), 14 students
Spring 2013	<i>Engaged Env. Scholarship & Communication</i> (ENVS 1965), 8 students
Spring 2012	<i>Engaged Environmental Scholarship & Communication</i> (ENVS 1965) with M. Downs, 11 students

11. Teaching (continued)

Courses taught 2007-2015 at Brown University and elsewhere (cont.)

Fall 2011	<i>Coastal Ecology & Conservation</i> (ENVS 0455) with M. Bertness, 8 students
Spring 2011	<i>Engaged Env. Scholarship & Communication</i> (ENVS 1965), 11 students
Spring 2010	<i>Marine Conservation Science & Policy</i> (ENVS 1455), 16 students
Fall 2009	<i>Coastal Ecology and Conservation</i> (ENVS 0455) with M. Bertness, 13 students
Fall 2009	<i>Topics in Cons. Sci</i> (BIOL 1970) with D. Sax, O. Sala, 20 students
Fall 2008	<i>Marine Conservation Science & Policy</i> (ENVS 1455), 14 students
Fall 2007	<i>Marine Conservation Science & Policy</i> (ENVS 1455), 24 students
Winter 2001	<i>Science & Policy of Marine Reserves</i> , Oregon State Univ., 24 students. Co-developed w Prof. Jane Lubchenco, while HL was a graduate student.

Independent Studies and Internship Supervision at UMaine

Spring 2025 on	Independent study for MS student Maya Pelletier, UMaine
Spring 2025 on	Independent study for MS student Annie Fagan, UMaine
Sum 2019 on	Independent study for MS and then PhD student Sarah Risley, UMaine
Fall 2020-Fall 2024	Independent study for PhD student Phoebe Jekielek, UMaine
Sum 2019-Fall 2021	Independent study for PhD student Jessica Reilly-Moman, UMaine
2018-2021	Independent study for MS student Melissa Britsch, UMaine
2017-2019	Independent study for MS student Marina Cucuzza, UMaine
Sum 2019	PSM internship advisor (5 credits) for Sarah Doudera, UMaine
2015-2019	Independent study/thesis credit for PhD student Kara Pellowe, UMaine

Independent Studies, Reading and Research and Internship Supervision at Brown University

Spring 2015	<i>Independent Study</i> (BIOL 1970: H. Baker), Brown Univ. <i>Reading & Res.</i> (BIOL 2980; K. Pellowe-Wagstaff), Brown Univ.
Fall 2014	<i>Independent Study</i> (BIOL 1970: H. Baker), Brown Univ. <i>Reading & Res.</i> (BIOL 2980; K. Pellowe-Wagstaff, S. Crosby), Brown Univ.
Spring 2014	<i>Independent Study</i> (BIOL 1970: K. Cortes), Brown Univ. <i>Reading & Res.</i> (BIOL 2980; K. Pellowe-Wagstaff, S. Crosby), Brown Univ.
Fall 2013	<i>Independent Study</i> (BIOL 1960: M. Palmer), Brown Univ. <i>Reading & Res.</i> (BIOL 2980; K. Pellowe-Wagstaff, S. Corman), Brown Univ.
Spring 2013	<i>Independent Study</i> (ENVS 1971: K. Siegel), Brown Univ. <i>Reading & Research</i> (BIOL 2980; S. Corman), Brown Univ.
Fall 2012	<i>Independent Study</i> (ENVS 1970: K. Siegel), Brown Univ. <i>Reading & Research</i> (BIOL 2980; S. Corman), Brown Univ.

11. Teaching (continued)

Independent Studies, Reading and Research and Internship Supervision at Brown University

Spring 2012	<i>Reading & Research</i> (BIOL 2980; S. Corman), Brown Univ. <i>Reading & Research</i> (ENVS 2980, L. Watka), Brown U. <i>Independent Study</i> (BIOL 1960; M. Ivens-Duran, C. Brisson), Brown Univ. <i>Independent Study</i> (ENVS 1970; B. Black), Brown Univ.
Fall 2011	<i>Reading & Research</i> (BIOL 2980; S. Corman), Brown Univ. <i>Reading & Research</i> (ENVS 2980, L. Watka), Brown U.
Fall 2011	<i>Independent Study</i> (BIOL 1960; M. Ivens-Duran, C. Brisson), Brown Univ. <i>Independent Study</i> (ENVS 1970; K. Woo, B. Black), Brown Univ.
Spr 2011	<i>Reading & Research</i> (BIOL 2980; S. Corman), Brown Univ. <i>Independent Study</i> (ENVS 1970; E. Van Arsdale, E. Lamb), Brown Univ. <i>Reading & Research</i> (ENVS 2980, L. Watka, C. Mattison), Brown U. <i>Independent Study</i> (BIOL 1960; J. Adler, N. Sibinga), Brown Univ.
Fall 2010	<i>Independent Study</i> (BIOL 1950: J. Adler, N. Chu, N. Sibinga), Brown Univ. <i>Independent Study</i> (ENVS 1970: E. Lamb, E. Van Arsdale), Brown Univ. <i>Reading & Research</i> (ENVS 2980: L. Watka, C. Mattison), Brown Univ. <i>Reading & Research</i> (BIOL 2980: S. Corman), Brown Univ.
Spr 2010	<i>Reading & Research</i> (BIOL 2980; S. Corman), Brown Univ. <i>Independent Study</i> (ENVS 1970; L. Richter), Brown Univ. <i>Independent Study</i> (BIOL 1960; K. Sebasky), Brown Univ.
Fall 2009	<i>Independent Study</i> (ENVS 1970, B. Brooks-Stocking & L. Richter) <i>Reading & Research</i> (ENVS 2981, T. Gancos), Brown Univ. <i>Independent Study</i> (BIOL 1950; K. Sebasky), Brown Univ. <i>Reading & Research</i> (ENVS 2980; S. Corman), Brown Univ.
Spr 2009	<i>Reading & Research</i> (ENVS 2980), Brown Univ. (2 students) <i>Independent Study</i> (ENVS 1970), Brown Univ. (2 students)
Spr 2008	<i>Independent Study</i> (BIOL 1960; J. Bernhardt), Brown Univ.

Selected Guest Lectures

2025	<i>Coastal Marine Ecology</i> (SMS 491), UMaine Semester by the Sea
2023, 2024	<i>Principles & Practice of Marine Res. Management</i> (MRM 530), OSU
2021	<i>Marine Ecology</i> , University of Southern Maine
2021	<i>Sustainability: Science, Policy and Action</i> (ECO 381), UMaine
2020	<i>Resilience Theory and Practice</i> (EES 598), UMaine
2020	<i>Marine Science Seminar</i> (SMS 691), UMaine
2019	<i>Introduction to Marine Policy & Fish. Management</i> (SMS 230), UMaine
2019, 2020	<i>Marine Biology</i> (SMS 500), UMaine
2019	<i>Marine Conservation Policy</i> (SMS 491), UMaine
2018	<i>Fisheries Ecology</i> (SMS 491), UMaine
2016	<i>Introduction to Environmental Science</i> , UMaine

11. Teaching (continued)

Selected Guest Lectures (cont.)

2008-2014 (multiple) *Environmental Science and Conservation Biology*, Brown University
2009 *Introduction to Environmental Studies*, Brown University
2008 *Marine Affairs Graduate Seminar*, University of Rhode Island
2008, 2005 *Conservation Biology*, Brandeis University

11. Teaching (continued)

Advising

Graduate Students (Primary advisor or Co-advisor)

1. E. Francoeur, MS Student, Ecology & Environmental Science, Co-advisor (2025-on)
2. M. Pelletier, MS Student, Aquaculture & Aquatic Resources, Advisor (2025-on)
3. A. Fagan, MS student, Marine Sciences, UMaine, Advisor (2024-on)
4. C. Sendek, MS student, Marine Sciences, UMaine, Co-advisor (2024-on)
5. S. Risley, PhD student, Ecology & Environmental Science, UMaine, Advisor (2022-on)
6. J. Smith-Mayo, PhD student, Communications & Journalism, Co-advisor (2020-2025)
7. P. Jekielek, PhD student, Ecology and Env. Science, UMaine, Co-advisor (2020-2024)
8. J. Kilchenmann, MS student, Marine Policy, UMaine, Co-advisor (2021-2022)
9. S. Risley, MS student, Marine Policy & Marine Bio., UMaine, Co-advisor (2019-2022)
10. S. Doudera, PSM student, UMaine, Advisor (2019-2022)
11. J. Reilly-Moman, PhD candidate, Ecology & Env. Sciences, UMaine, Advisor (2019-21)
12. M. Britsch, MS student, Marine Policy & Marine Bio., UMaine, Co-advisor (2018-2021)
13. M. Cucuzza, MS student, Marine Policy & Marine Bio. UMaine, Co-advisor (2017-2019)
14. K. Pellowe, PhD candidate, Ecology and Env. Science, UMaine, Advisor (2016-2019)
15. K. Pellowe, MS student, Ecology & Evol. Biology (EEB), Brown U., Advisor (2013-16)
16. S. Crosby, PhD in Ecology & Evol. Biology, Brown Univ., Co-advisor (2009-2014)
17. L. Watka, MA in Environmental Studies, Brown Univ., Advisor, (2010-2012)
18. C. Mattison, MA in Environmental Studies, Brown Univ. Advisor (2009-2011)
19. T. Gancos, MA in Environmental Studies, Brown Univ. Advisor (2008-2010)

Graduate Students (Thesis Committee Member)

1. J. Kilchenmann, PhD student, Ecology and Env. Science, UMaine (2023-on)
2. S. Ebel, Anthropology PhD candidate, UMaine PhD committee member (2016-2019)
3. P. Gansett, Dual degree student, UMaine thesis committee member (2017-18)
4. A. Solafa, Marine Policy MS student, UMaine thesis committee member (2016-18)
5. R. Lamb, PhD student, Brown University graduate thesis com. member (2014-15)
6. M. Brandt, PhD student, Brown University graduate thesis com. member (2007-2011)
7. L. Brin, PhD candidate, Brown/MBL graduate thesis com. member (2009-15)
8. A. Angermeyer, PhD candidate, Brown/MBL graduate thesis com. member (2010-15)
9. L. Szathmary, PhD student, Brown U. graduate thesis committee member (2010-12)
10. L. Mattison, MA, Environ. Studies. Brown U. graduate thesis committee (2007-2009)
11. J. LaChance, MA in Environmental Studies. Brown U. graduate committee (2012)

11. Teaching (continued)

Advising (continued)

Postdoctoral Research Associates & Affiliates

1. Phoebe Jekielek, 2024-on (Ecosystem-based fisheries management of sea scallops)
2. Jessica Reilly-Moman, 2023-2024 (Participatory approaches to community resilience)
3. Tim Frawley, 2021-2022 (Adaptation and resilience of small-scale fishers)
4. Kaitlyn Haynal, 2020-2022 (Science of team science)
5. Kara Pellowe, 2019-2020 (Coupled social-ecological systems, agent-based modeling)
6. Leila Sievanen, 2009-2012 (Ecosystem-based management, coupled systems in Mexico)
7. Sheila Walsh, 2009-2011 (ECI Postdoctoral Fellow focused on Mexico)
8. Keryn Gedan, 2009-2010 (Multiple stressors in coastal systems)

Undergraduate Theses and Capstone Projects Advised

1. Jimmy Wilson, UMaine School of Marine Sciences Capstone (Spring 2025)
2. Annapurna Leung, UMaine School of Marine Sciences Capstone (2022-2023)
3. Will Spaller, UMaine School of Marine Sciences Capstone (2022-2023)
4. Matthew Yost, UMaine School of Marine Sciences Capstone (2022-2023)
5. Maia Conway, UMaine School of Marine Sciences Capstone (Spring 2021)
6. Sara Swett, UMaine School of Marine Sciences Capstone (2020-2021)
7. Bradlyn McEttrick, UMaine School of Marine Sciences Capstone (2020-2021)
8. Jenna Lyons, UMaine School of Marine Sciences Capstone (2019-2020)
9. Henry Baker, Biology, Brown U. Thesis co-advisor with J. Nelson, MBL (2014-15)
10. Katherine Siegel, Environmental Science, Brown U. Thesis advisor (2012-2013)
11. Caitlin Brisson, Marine Biology, Brown U. Thesis co-advisor w M. Cockrell (2011-2012)
12. Morgan Ivens-Duran, Mar. Biol., Brown U. Thesis co-advisor w S. Corman (2011-2012)
13. Kara Woo, Environmental Studies. Brown U. Capstone advisor (2011-2012)
14. Bridgette Black, Environmental Studies. Brown U. Thesis advisor (2011-2012)
15. Allison Wentz, Appl. Math, Brown U. Thesis co-advisor w S (2010-11)
16. Jenny Adler, Marine Biology, Brown U. Thesis co-advisor with S. Corman (2010-2011)
17. Nathaniel Sibinga, Mar. Biology, Brown U. Thesis co-advisor w S. Corman (2010-2011)
18. Emily Lamb, Environ. Studies. Brown U. Thesis co-advisor w J Shinen (2010-2011)
19. Eric Van Arsdale, Environ. Studies. Brown U. Capstone project advisor (2010-2011)
20. Lee Richter, Environmental Studies. Brown U. Thesis advisor (2009-2010)
21. Kristen Sebasky, Human Biology. Brown U. Thesis advisor (2009-2010)
22. Brendyn Brooks-Stocking, Environmental Studies. Brown U. Thesis advisor (2008-2009)
23. David Koweeek, Geology-Biology. Brown U. Thesis co-advisor with W Prell (2008-2009)
24. Scott Lowenstein, Economics. Brown U. Thesis co-advisor w S Nagavarapu (2008-2010)
25. Joanna Bernhardt, Human Biology. Brown U. Thesis co-advisor w K Gedan (2008-2009)
26. Ozge Gencler, Human Biology. Brown U. Thesis committee member (2012)
27. Christine Zaleski, Environ. Studies. Brown U. Thesis committee member (2010-2011)
28. Nick Hermann, Environ. Studies. Brown U. Thesis committee member (2009-2010)

11. Teaching (continued)

Advising (continued)

Undergraduate Theses and Capstone Projects Advised (continued)

29. Laura Dee, Human Biology. Brown U. Thesis committee member (2009)
30. Alex Chuman, Environmental Studies. Brown U. Thesis committee member (2009)
31. Katie Okomoto, Environmental Studies. Brown U. Thesis committee member (2009)
32. Lindsay Hageman, Environmental Studies. Brown U. Thesis committee member (2008)

Researchers Hosted and Other Advisees

1. Abigail Skena, Undergraduate Research Assistant (Summer 2024)
2. Cedar Gordon, Undergraduate Research Assistant (Summer 2024)
3. Emma Polhemus Undergraduate Research Assistant (Summer 2023)
4. Sophia Pelletier, Undergraduate Research Assistant (Summer and Fall 2022)
5. Jakob O'Neil, Undergraduate Research Assistant (Summer 2022)
6. Audrey Hufnagel, High School Research Assistant (Summer 2022)
7. Brendan Mirra, Undergraduate Research Assistant (Summer 2022)
8. Jessica Reilly-Moman, Affiliated Researcher (2022 on)
9. Nicholas Gredin, Graduate Assistant (2021-2022)
10. Melissa Britsch, Research Associate (Summer and Fall 2021)
11. Amelia Papi, Undergraduate research intern (Summer 2021)
12. Carolina Rolfe, Undergraduate research intern (Summer 2021)
13. Samuel Burgess, Undergraduate research intern (Summer 2021)
14. Madeline Williams, UMaine SMS intern (working remotely), Sum 2020
15. Cassandra Strauch, UMaine SMS student interning at the DMC, Sum 2019
16. Jessica Woodall, Washington College student interning at the DMC, Sum 2019
17. Tim Frawley, Stanford University visiting graduate student (Sum 2018)
18. Kaitlyn Raffier, UMaine EES student interning at the Darling Marine Center, Sum 2018
19. Mitchel Stewart, UMaine SMS student interning at the DMC, Sum 2018
20. Anita Wray, Colorado College student interning at the DMC (with B Steneck, Sum 2018)
21. Melissa Britsch, Class of 2017, Oregon State University (Summer 2017)
22. Megan Palmer, Biology, Brown U. Class of 2014, Independent Researcher (2013-2014)
23. Karen Cortes, Marine Biology, Brown U. Class of 2014 & Voss Fellow (2013-14)
24. Catherine Luria, Brown-MBL PhD Candidate, Summer 2013
25. Darius Stanton, Leadership Alliance Fellow from Claflin University, Summer 2013
26. Harriet Booth, Brown Univ. Class of 2013, Summer 2013
27. Hannah Kerman. Brown Univ. Class of 2015, Spring 2013
28. Lucy Zipf, Brown University, Class of 2013, Spring 2012
29. Marcy Cockrell, Research Assistant, April 2010-May 2012
30. Nathaniel Chu, Brown University, Class of 2012, October 2008-December 2010
31. Joanna Bernhardt. Brown University, Class of 2009, January 2008-April 2010
32. Ben Apple, Brown University, Class of 2009, Spring 2009
33. Laura Chartier, Univ. of Rhode Island, Class of 2008, RI EPSCoR 2008 Summer Fellow
34. Currie Dugas, Brown University, Class of 2007, January 2008-August 2008