

Jennifer L. Raynor

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Last Updated: October 31, 2022

Education

- 2017 Ph.D. in Ag. & Applied Economics, University of Wisconsin-Madison (UW-Madison)
Dissertation: “Essays on Measuring the Economic Impacts of Keystone Species”
Advisors: Corbett Grainger (co-chair), Dominic Parker (co-chair), Daniel Phaneuf
- 2016 M.S. in Environment & Resources, UW-Madison
- 2012 M.A. in Applied Economics, Johns Hopkins University
- 2005 B.A. in Economics, LeMoyne College, *Integral Honors* (highest honors), *summa cum laude*

Fields of Interest

- Primary Environmental and Resource Economics, Applied Econometrics, Machine Learning
- Secondary Wildlife Ecology, Geographic Information Systems (GIS), Remote Sensing

Academic Appointments

- 2022-curr. Assistant Professor, Forest and Wildlife Ecology Department, UW-Madison
- 2019-22 Assistant Professor, Economics Department, Wesleyan University

Academic Affiliations

- 2022-curr. Faculty Affiliate, Agricultural and Applied Economics Department, UW-Madison
- 2019-22 Faculty Affiliate, College of the Environment, Wesleyan University

Publications

Refereed Journal Articles

- 2022 Medoff, S., J. Lynham, and J. Raynor. “Spillover benefits from the world’s largest fully protected MPA.” *Science* 20(378): 313-316. [[Full-text](#)]

Selected media coverage: [National Geographic](#), [Nature](#), [Bloomberg](#), [BBC](#), [Der Spiegel](#)
- 2021 Raynor, J., C. Grainger, and D. Parker. “Wolves make roadways safer, generating large economic returns to predator conservation.” *Proceedings of the National Academy of Sciences* 118(22): e2023251118. [[Full-text](#); [Supplementary Information](#)]

Selected media coverage: [The Atlantic](#), [The Economist](#), [Freakonomics Radio](#)
- 2021 Lynham, J., A. Nikolaev, J. Raynor, T. Vilela, J.C. Villaseñor-Derbez. “Reply to ‘Catch rate composition affects assessment of protected area impacts’.” *Nature Communications* 12(1): 1590. [[Full-text](#)]

- 2020 Lynham, J., A. Nikolaev, J. Raynor, T. Vilela, J.C. Villaseñor-Derbez. “Impact of two of the world’s largest protected areas on longline fishery catch rates.” *Nature Communications* 11(1): 979. [[Full-text](#)]
- 2020 Siders, Z., N. Ducharme-Barth, F. Carvalho, D. Kobayashi, S. Martin, J. Raynor, T.T. Jones, R. Ahrens. “Ensemble random forests as a tool for modeling rare occurrences.” *Endangered Species Research* 43: 183-197. [[Full-text](#)]
- 2020 Raynor, J. and D. Phaneuf. “Can native species compete with valuable exotics? Valuing ecological changes in the Lake Michigan recreational fishery.” *Journal of Great Lakes Research* 46(3): 643-655. [[Full-text by request](#)]

Working Papers

- Apr. 2022 Frank, E., A. Missrian, D. Parker, J. Raynor. “Economic effects of reversing local extinctions: Wolves in North America.”
- Jun. 2021 Lynham, J., S. Medoff, J. Raynor. “The pollution haven hypothesis on the high seas.”
- Jun. 2020 Raynor, J. “Estimating the economic costs associated with overabundant deer.”

Awards, Honors, and Fellowships

- 2021-22 [Think Tank Fellowship](#), College of the Environment, Wesleyan University
- 2021 [Lone Mountain Fellowship](#), Property and Environment Research Center
- 2014 Ph.D. Student Fellowship, UW-Madison
- 2005 Wall Street Journal Student Achievement Award
- Misc. Member of *Phi Kappa Phi*, *Pi Gamma Mu*, and *Omicron Delta Epsilon* honors societies

Grants and Funding

- 2021 Quantitative Analysis Center Student Apprenticeship, Wesleyan University (\$5,000)
- 2020 Sustainability and Environmental Justice Initiative, Wesleyan University (\$500)
- 2018 National Oceanic and Atmospheric Administration internal grant (~\$60,000)
- 2017 Graduate School Grant, UW-Madison (\$600)
- 2015 Graduate School Grant, UW-Madison (\$1,250)

Presentations and Workshops

Invited Seminars and Workshops

- 2022 Young Scholars Symposium on Natural Resource Governance, Indiana University
- 2022 University of Wyoming, Haub School of the Environment and College of Business
- 2022 Le Moyne College, Social Sciences Seminar Series
- 2022 Colgate University, Environmental Studies Brownbag Series
- 2022 Queens University of Charlotte, Data Analytics Symposium
- 2021 Yale University, Seminar in Environmental and Natural Resource Economics

- 2021 Property and Environment Research Center, Fellowship Seminar
- 2019 Property and Environment Research Center, Incentives for Wildlife Workshop
- 2018 Western Pacific Fishery Management Council, Sea Turtle Bycatch Workshop
- 2018 Western Pacific Fishery Management Council, Seabird Bycatch Workshop
- 2018 Le Moyne College, Social Sciences Seminar Series

Conference Presentations (*Session Chair)

- 2023 Allied Social Science Associations (ASSA) Annual Meeting (forthcoming)
- 2022 Association of Environmental and Resource Economists Summer Conference
- *2021 Western Economic Association International 96th Annual Conference
- *2021 Association of Environmental and Resource Economists Summer Conference
- 2018 International Institute of Fisheries Economics and Trade Conference
- 2017 North Carolina State University, Camp Resources Workshop
- *2017 Western Economic Association International 92nd Annual Conference
- 2017 Heartland Environmental and Resource Economics Workshop at Illinois (poster)

Campus Talks

- 2021 Wesleyan University, Wasch Center Lecture Series
- 2019 Wesleyan University, *Omicron Delta Epsilon* induction ceremony
- 2019 Wesleyan University, College of Social Studies Monday Lunch Series

Teaching Experience

UW-Madison

- Undergrad Decision Methods for Natural Resource Managers: Spring 2023 (forthcoming)
- Undergrad Climate Change Economics and Policy (Teaching Assistant): Fall 2016
- Undergrad Introductory Biology (Teaching Assistant): Spring 2013, Fall 2014, Spring 2014

Wesleyan University

- Undergrad Introduction to Economic Theory: Fall 2019 (2 sections), Fall 2020, Spring 2021
- Undergrad Climate Change Economics and Policy: Spring 2020, Fall 2020, Fall 2021
- Undergrad Environmental and Resource Economics: Spring 2020, Spring 2021

Conservation Strategy Fund

- Continuing Economics and Finance for Environmental Leadership: Summer 2022

Research Experience

- 2017-19 Research Economist, National Oceanic and Atmospheric Administration (NOAA)
- 2013-17 Graduate Research and Teaching Assistant, UW-Madison
- 2006-13 Economist, Bureau of Labor Statistics

Service

Profession

- 2022 Mentor, AERE Graduate-Student Engagement Matchup Program
- Ongoing Referee for: Journal of the Association of Environmental and Resource Economists, Land Economics, International Review of Environmental and Resource Economics, Journal of Outdoor Recreation and Tourism, Lake and Reservoir Management

Department and University

- 2021-22 Mentor, First Generation Student Collective, Wesleyan University
- 2021 Honors thesis reader (1 Economics, 1 College of Social Studies), Wesleyan University
- 2020 Panel member, Sustainability and Environmental Justice, Wesleyan University
- 2020 Panel member, New Faculty Orientation Program, Wesleyan University
- 2020 Mentor, Remote Teaching Mentor Program, Wesleyan University
- 2020 Search committee member, Department of Economics, Wesleyan University
- 2019 Search committee member, Department of Economics, Wesleyan University
- 2016-17 Mentor, Nelson Institute Mentor Program, UW-Madison
- 2015-17 Organizer, Environmental Economics Seminar, UW-Madison

Advising

- 2022 grad. Ph.D. committee member for Pukitta Chunsuttiwat, UW-Madison
- 2021 grad. Ph.D. committee member for Sarah Medoff, University of Hawai'i at Mānoa
- 2021-22 Wesleyan University: 2 env. studies capstone, 28 econ. major, 3 pre-major
- 2020-21 Wesleyan University: 1 econ. honors thesis (high honors), 21 econ. major, 5 pre-major
- 2019-20 Wesleyan University: 16 econ. major

Media Coverage

- Press [The Atlantic](#), [The Associated Press](#), [The Washington Post](#), [The Economist](#), [Bloomberg](#), [Ars Technica](#), [National Geographic](#), [Smithsonian Magazine](#), [Scientific American](#), [ScienceNews](#), [Daily Mail](#) and [BBC](#) (U.K.), [ABC](#) (Australia), [DerStandard](#) (Austria), [Der Spiegel](#) (Germany), [El País](#) (Spain), [FRB](#) (France), [100+](#) other outlets
- Broadcast National Public Radio in the [USA](#) (Freakonomics), [Canada](#) (Quirks and Quarks), [Australia](#) (Late Night Live), and [Germany](#) (Deutschlandfunk)

Professional Memberships

American Economic Association, Association of Environmental and Resource Economists, International Institute of Fisheries Economics and Trade, North American Association of Fisheries Economists