

# Jennifer L. Raynor

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## Education

- 2017 Ph.D. in Agricultural and 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 and 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

- 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 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](#)]
- 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](#)]

#### Manuscripts in Submission/Revision

- Apr. 2022 Lynham, J., S. Medoff, J. Raynor. “Spillover benefits from the world’s largest fully protected MPA.” [In revision].

#### Manuscripts in Preparation

- 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. “Testing 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 Apprenticeship, Wesleyan University (\$5,000)
- 2020 Sustainability & 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 Bates College, Economics Seminar Series
- 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)

- 2022 Association of Environmental and Resource Economists Summer Conference
- \*2021 Western Economic Association International 96<sup>th</sup> 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 92<sup>nd</sup> 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**

#### Wesleyan University, Instructor

- 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

#### UW-Madison, Teaching Assistant

- Undergrad Climate Change Economics and Policy: Fall 2016
- Undergrad Introductory Biology: Spring 2013, Fall 2014, Spring 2014

#### Conservation Strategy Fund

- Internat. Economics and Finance for Environmental Leadership: Summer 2022

## **Research Experience**

- 2017-19 Research Economist, National Oceanic and Atmospheric Administration
- 2013-17 Graduate Research & 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 & Environmental Justice Initiative, 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: 3 pre-major, 28 econ. major, 2 env. studies capstone
- 2020-21 Wesleyan University: 5 pre-major, 21 econ. major, 1 econ. honors thesis (high honors)
- 2019-20 Wesleyan University: 16 economics major

## Media Coverage

- Press [The Atlantic](#), [The Associated Press](#), [The Washington Post](#), [The Economist](#), [Ars Technica](#), [Scientific American](#), [ScienceNews](#), [Smithsonian Magazine](#), [Daily Mail](#) (U.K.), [DerStandard](#) (Austria), [El País](#) (Spain), [FRB](#) (France), [100+](#) other outlets
- Radio [Freakonomics Radio NPR](#), [CBC/Radio-Canada](#)

## Professional Memberships

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