**Emma Donnelly**

PhD Student · Agricultural Economics

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Education

**Purdue University,** West Lafayette, IN*August 2023-Present*

Ph.D. Agricultural Economics

Specialization in Resources, Environment, and Sustainable Production

Advisor: Dr. Carson Reeling

**Loyola University of Chicago**, Chicago, IL*August 2022-May 2023*

M.S. Environmental Science and Sustainability, 4+1 Program— Research Track

Master’s Thesis: The Economic Value of Water Quality Improvements in Great Lakes Areas of Concern

Thesis Committee: Dr. Max Melstrom (Chair), Dr. Lopa Chakraborti, Dr. Gilbert Michaud, Dr. Ping Jing

**Loyola University of Chicago,** Chicago IL *August 2019-May 2022*

B.A. Environmental Policy (major), Environmental Economics & Sustainability (minor)

**Western Michigan University,** Kalamazoo, MI *September 2018-April 2019*

Coursework towards B.S. in Environmental Sustainability Studies

Research Experience

**Purdue University,** Agricultural Economics,West Lafayette, IL

Graduate Research Assistant *August 2023-Present*

Advisor: Dr. Carson Reeling

**Loyola University Chicago,** School of Environmental Sustainability,Chicago, IL

Graduate Research Assistant *August 2021-May 2023*

Advisor: Dr. Max Melstrom

**Illinois Indiana Sea Grant,** Chicago, IL

Graduate Student Scholar & Primary Investigator *June 2022-June 2023*

Administrative Lead: Dr. Lopamudra Chakraborti

**Loyola University Chicago,** School of Environmental Sustainability,Chicago, IL

Undergraduate Researcher  *May 2021-August 2021*

Advisor: Dr. Reuben Keller

Publications

**Donnelly, E.** & Melstrom, R.T. (2023). Residential mobility and the value of water quality improvements in the Milwaukee Estuary Area of Concern. *Agricultural and Resource Economics Review,* 1-23. doi:10.1017/age.2023.10

**Donnelly, E.**, Melstrom, R. T., & Chakraborti, L. (2023). The economic benefits of remediation actions in the Waukegan harbor Area of Concern. *Water Resources and Economics,* *100236.*

*https://doi.org/10.1016/j.wre.2023.100236*

Papers in Progress

**Donnelly, E.** & R.T., Melstrom. Nonmarket Income from Recreational Services: A Time Series Analysis of Fishing Using the Travel Cost Method. (Under Review)

**Donnelly, E.** & Reeling, C.J. Scope testing in the context of rationed goods.

**Donnelly, E.** & Reeling, C.J. Assessing the Economic Outcomes and Equity Implications in Transitioning to Mandatory Flood Buyouts.

Fellowships, Honors, & Awards

**Outstanding Master’s Thesis Award** *Spring 2024*

Northeastern Agricultural Resource Economics Association

**Presidential Doctoral Excellence Award** *Fall 2023*

Purdue University Department of Agriculture Economics

**Student Paper Competition, First Place**  *Fall 2022*

Illinois Economics Association

**Graduate Student Scholar** *Spring 2022*

Illinois-Indiana Sea Grant

**Summa Cum Laude**  *Spring 2022*

Loyola School of Environmental Sustainability

**School of Environmental Sustainability Highest Honors**  *Spring 2022*

Loyola School of Environmental Sustainability

**Ann Dunlap Scholarship for Environmental Law and Policy Research** *Fall 2021*

Loyola School of Environmental Sustainability

**Provost Fellowship for Undergraduate Research**  *Spring 2021*

Loyola School of Environmental Sustainability

**Dean's List** *Fall 2019-Fall 2022*

Loyola School of Environmental Sustainability

**Dean's List**  *Fall 2018-Spring 2019*

Western Michigan University

Grants

The Economic Benefits of Water Quality Improvements in Great Lakes Areas of Concern, $9,000. Primary investigator, with administrative leads Lopa Chakraborti and Max Melstrom. Illinois-Indiana Sea Grant, 2022-2023.

Presentations

Assessing the Economic Outcomes and Equity Implications in Transitioning to Mandatory Flood Buyouts. Agricultural & Applied Economics Association meeting, Denver, CO, July 2025.

Scope Testing in the Context of Rationed Goods. Midwest Economics Association Conference, Kansas City, MO, March 2025.

Variation in Estimates of Willingness to Pay for Recreation Over Time. Midwest Economics Association Conference, Chicago, IL, March 2024.

The Economic Benefits of Remediation Actions in the Waukegan Harbor Area of Concern. Illinois Indiana Sea Grant funded research meeting, West Lafayette, Indiana, May 2023.

Residential mobility and the value of water quality improvements in the Milwaukee Estuary Area of Concern. Loyola Undergraduate Research Symposium, Chicago, Illinois, April 2023.

Residential mobility and the value of water quality improvements in the Milwaukee Estuary Area of Concern. Midwest Economics Association Conference, Cleveland, Ohio, March 2023.

Residential mobility and the value of water quality improvements in the Milwaukee Estuary Area of Concern. Southern Agricultural Economics Association Annual Meeting, Oklahoma City, Oklahoma, February 2023.

Residential mobility and the value of water quality improvements in the Milwaukee Estuary Area of Concern. Illinois Economics Association (IEA) Conference, Chicago, Illinois, November 2022.

Residential mobility and the value of coastal water quality restoration (presented by Dr. Max Melstrom). NAREA workshop on Ecosystem Services Foundations for Resilient Communities: Agriculture, Land Use, Coasts and Energy for Human Well-Being, Mystic, Connecticut, June 2022.

Improving trapping methods to manage invasive crayfish in the Chicago Region. Loyola Undergraduate Research Symposium, Chicago, Illinois, April 2022.

Other Professional Experience

**Environmental Law and Policy Center of Chicago**, Chicago, IL

Policy Intern  *August 2021-May 2022*

**Knoch Knolls Nature Center,** Naperville, IL

Environmental Education Intern *May 2019-August 2020*

Proficiencies

ArcGIS, Excel, Stata, R Statistical Analysis/R Studio, LaTeX, MATLAB, Mathematica, Julia.