

Matthew N. Reimer

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EDUCATION

University of California, Davis

Ph.D., Agricultural and Resource Economics

2008 - 2012

University of Calgary

Bachelor of Arts, Economics (first class honours)

2004 - 2008

ACADEMIC APPOINTMENTS AND AFFILIATIONS

University of California, Davis

Associate Professor, Department of Agricultural & Resource Economics, Department of Environmental Science & Policy

2020 - Present

University of Alaska Anchorage

Affiliate Associate Professor, Institute of Social & Economic Research

2020 - Present

Associate Professor, Institute of Social & Economic Research, Department of Economics & Public Policy

2018 - 2020

Assistant Professor, Institute of Social & Economic Research, Department of Economics & Public Policy

2013 - 2018

Alaska Pacific University

Affiliate Faculty, Marine and Environmental Sciences

2016 - Present

Arizona State University

Pre-Doctoral Scholar, Center for Environmental Economics and Sustainability Policy

2012

PROFESSIONAL APPOINTMENTS

Pacific Fisheries Management Council

Member, Science and Statistical Committee

2022 - Present

North Pacific Fisheries Management Council

Member, Science and Statistical Committee

2013 - 2021

Member, Social Science Planning Team

2017 - Present

North Pacific Research Board

Member, Science Panel

2017 - Present

HONORS AND AWARDS

Outstanding Article Award, Marine Resource Economics.

2017

Gordon A. King Outstanding Dissertation Award, University of California, Davis.

2013

Best Student Paper Award, International Institute of Fisheries Economics and Trade.

2012

PUBLICATIONS

Bibler, A., M. Guettabi, and **M.N. Reimer**. "Universal Cash Transfers and Labor Market Outcomes." *Journal of Policy Analysis and Management*, Forthcoming.

Abe, K., C. Anderson, **M.N. Reimer**. (2022) "Catch More to Catch Less: Estimating Timing Choice as Dynamic Bycatch Avoidance." *Environmental and Resource Economics*, 82, 953-984.

Reimer, M.N., J.K. Abbott, A.C. Haynie. (2022) "Structural Behavioral Models for Rights-Based Fisheries." *Resource and Energy Economics*, 68, 101294.

Chávez, C., H. Eggert, and **M.N. Reimer**. (2021) "Economics of Marine Resources in the Global South—Meeting the Challenge of Agenda 2030." *Marine Resource Economics*, 36(4), 307-318.

Deck, C., L. Howe, **M.N. Reimer**, J. Alevy, and K. Borash. (2021) "Contests for Shares of an Uncertain Resource." *Journal of Environmental Economics and Management*, 107, 102429.

Watson, B., **M.N. Reimer**, M. Guettabi, A.C. Haynie. (2021) "Commercial Fisheries & Local Economies." *Journal of Environmental Economics and Management*, 106, 102419.

Watson, B., M. Guettabi, and **M.N. Reimer**. (2020) "Universal Cash and Crime." *The Review of Economics and Statistics*, 102(4), 678-689.

Kroetz, K., **M.N. Reimer**, J.N. Sanchirico, D.K. Lew, and J. Huetteman. (2019) "Defining the Economic Scope for Ecosystem-Based Fishery Management." *Proceedings of the National Academy of Sciences*, 116(10), 4188-4193.

Addicott, E., K. Kroetz, **M.N. Reimer**, J.N. Sanchirico, D.K. Lew, and J. Huetteman. (2019) "Identifying the Potential for Cross-Fishery Spillovers: A Network Analysis of Alaskan Permitting Patterns." *Canadian Journal of Fisheries and Aquatic Sciences*, 76(1), 56-68.

- Reimer, M.N.**, and A. Haynie (2018) “Mechanisms Matter for Evaluating the Economic Impacts of Marine Reserves.” *Journal of Environmental Economics and Management*, 88, 427-446.
- Bair, L.S., C.B. Yackulic, M.R. Springborn, **M.N. Reimer**, C.B. Bond, and L.G. Coggins. (2018) “Identifying Cost-Effective Invasive Species Control to Enhance Endangered Species Populations in the Grand Canyon, USA.” *Biological Conservation*, 220, 12-18.
- MacColl, S., P. Onyango, **M.N. Reimer**, and Y. Stopnitzky. (2018) “Unintended Consequences of Enforcement in a Cooperative Institution: Experimental Evidence from Tanzanian Fishers.” *Ocean and Coastal Management*, 162, 158-169.
- Reimer, M.N.**, J.K. Abbott, and J.E. Wilen. (2017) “Fisheries Production: Spatial Choice, Management Institutions, and the Quest for Policy Invariance.” *Marine Resource Economics*, 32(2), 143-168.
- Reimer, M.N.**, J.K. Abbott, and A.C. Haynie. (2017) “Empirical Models of Fisheries Production: Conflating Technology with Incentives?” *Marine Resource Economics*, 32(2), 169-190.
- Schoen, E., M. Wipfli, J. Trammel, D. Rinella, A. Floyd, J. Grunblatt, M. McCarthy, B. Meyer, J. Morton, J. Powell, A. Prakash, **M.N. Reimer**, S. Stuefer, H. Toniolo, B. Wells, and F. Witmer. (2017) “Future of Pacific Salmon in the Face of Change: Lessons from One of the Few Remaining Productive Salmon Regions.” *Fisheries*, 42(10), 538-553.
- Reimer, M.N.**, M. Guettabi, and A. Tanaka (2017) “Short-Run Impacts of a Severance Tax Change: Evidence from Alaska.” *Energy Policy*, 107, 448-458.
- Abbott, J.K., A. Haynie, and **M.N. Reimer** (2015) “Hidden Flexibilities: Institutions, Incentives, and the Margins of Selectivity in Fishing.” *Land Economics*, 91(1), 169-195.
- Reimer, M.N.**, J.K. Abbott, and J.E. Wilen. (2014) “Unraveling the Multiple Margins of Rent Generation from Individual Transferable Quotas.” *Land Economics*, 90(3), 538-559.
- Sethi, S.A., **M.N. Reimer**, and G. Knapp. (2014) “Alaskan Fishing Community Revenues and the Stabilizing Role of Fishing Portfolios.” *Marine Policy*. 48, 134-141.
- Reimer, M.N.**, and J.E. Wilen. (2013) “Regulated Open Access and Regulated Restricted Access Fisheries.” In J. Shogren (Ed.) *Encyclopedia of Energy, Resource, and Environmental Economics*, 215-223, Elsevier Science.

RESEARCH FUNDING

- “Exploring Policy and Practice Options for Climate-Smart Fisheries Adaptations across State and Federal Waters: California Case Study.” *Walton Family Foundation*. PIs: **M.N. Reimer** and J. Sanchirico. \$315,736. 2022–2024.
- “Extending Behavioral Models of Commercial Fishing Fleets in the Northeast Multispecies Groundfish Fisheries.” *ECS Federal, Inc., National Oceanic and Atmospheric Administration*. PI: A. Birkenbach. Co-PIs: **M.N. Reimer**, M. Lee. \$65,000. 2020–2022.
- “Understanding the Role of Flexible Fishing Permits as a Support Tool for Climate Change Impacts.” *Lenfest Ocean Program*. PIs: **M.N. Reimer** and J. Sanchirico. \$324,051. 2020–2023.
- “ISER Fisheries Research Fund.” PI: **M.N. Reimer**, \$700,000. 2017–2020.
- “The Welfare Implications of an Unconditional and Universal Cash Transfer: Evidence from Alaska.” *The Economic Security Project*. PI: M. Guettabi. Co-PIs: **M.N. Reimer**, A. Bibler, \$75,000. 2018–2019.
- “Socioeconomic Impacts of Fisheries Management Changes: Connecting Fishery Policies to Fishing Portfolios.” *North Pacific Research Board*. PI: **M.N. Reimer**, Co-PIs: K. Kroetz, J. Sanchirico, D.K. Lew, \$308,528. 2017–2020.
- “Changing the Paradigm of Halibut Management in Alaska.” *NOAA Saltonstall-Kennedy Grant Program*. PI: C. Carothers. Co-PI: **M.N. Reimer**. \$296,984. 2016–2018.
- “Reducing the Prohibited Species Catch of Pacific Halibut: A Prospective Analysis of Fleet Behavior in the North Pacific Groundfish Fisheries.” *North Pacific Research Board*. PI: **M.N. Reimer**, Co-PIs: J.K. Abbott, A.C. Haynie, \$236,685. 2016–2020.
- “Simulating Spatial and Temporal Uncertainty in FishSET.” *Pacific States Marine Fisheries Commission*. PI: **M.N. Reimer**, \$51,290. 2016–2017.
- “Applied Decision Methods for the Glen Canyon Adaptive Management Program.” *Southwest Biological Science Center of the U.S. Geological Survey*. PI: **M.N. Reimer**. \$61,500. 2015–2019.
- “Network Analysis of the Dynamic Evolution of Alaska Fishing Portfolios.” *ECS Federal, Inc., National Oceanic and Atmospheric Administration*. PI: K. Kroetz. Co-PIs: **M.N. Reimer**, J. Sanchirico, D.K. Lew. \$44,500. 2016–2017.
- “EPSCoR IV: Southcentral Test Case Economic Component.” *University of Alaska Fairbanks EPSCoR*. PI: **M.N. Reimer**. Co-PI: L. Howe. \$272,388. 2015–2017.
- “Assessing the Economic Impacts of 2011 Stellar Sea Lion (SSL) Protective Measures in the Aleutian Islands.” *Pacific States Marine Fisheries Commission*. PI: **M.N. Reimer**. \$56,700. 2014–2016.
- “Rural Livelihoods and Institutional Reform in Small-Scale Fisheries in Tanzania.” *BASIS Assets and Market Access Collaborative Research Support Program*. PI: Y. Stopnitzky. Co-PIs: **M.N. Reimer**, P. Onyango. \$110,000. 2014-2015.
- “Modeling Biological and Economic Implications of Layered Management Measures for Bering Sea Groundfish Fisheries.” *Pollock Conservation Cooperative Research Center*. PI: G. Knapp. Co-PIs: **M.N. Reimer**, C. Anderson, R. Hilborn. \$400,000, 2013–2015.
- “Alaskan Cod Market Analysis.” *Bristol Bay Economic Development Corporation*. PI: **M.N. Reimer**. Co-PI: G. Knapp. \$12,000. 2013.

CONFERENCE PRESENTATIONS

- “Defining the Economic Scope for Ecosystem-Based Fisheries Management.” *Alaska Marine Science Symposium*, Anchorage, AK, January 29, 2020.
- “Structural Behavioral Models for Rights-Based Fisheries.” *Association of Environmental and Resource Economists Summer Conference*, Incline Village, NV, June 1-2, 2019.
- “Structural Behavioral Models for Rights-Based Fisheries.” *Forum of the North American Association of Fisheries Economists*, Halifax, NS, May 23, 2019.
- “A Structural Econometric Model of Location Choice in a Multispecies Catch Share Fishery.” *International Institute of Fisheries Economics and Trade’s 19th Biennial Conference*, Seattle, WA, July 18, 2018.
- “Understanding the Mechanisms Underlying the Economic Impacts of Spatial Marine Closures.” *Western Agricultural Economics Association Annual Meeting*, Anchorage, AK, June 24-26, 2018.
- “Understanding the Mechanisms Underlying the Economic Impacts of Spatial Marine Closures.” *Association of Environmental and Resource Economists Summer Conference*, Pittsburgh, PA, June 1-2, 2017.
- “The Economic Impacts of Spatial Closures: Evidence from Stellar Sea Lion Protective Measures in the North Pacific.” *International Institute of Fisheries Economics and Trade’s 18th Biennial Conference*, Aberdeen, Scotland, July 11-15, 2016.
- “Unintended Consequences of a Ban on Illegal Fishing Gear: Evidence from a Field Experiment in Tanzania.” *Forum of the North American Association of Fisheries Economists*, Ketchikan, AK, May 23, 2015.
- “Bycatch Avoidance Under Amendment 80 in the BSAI Non-Pollock Groundfish Trawl Fishery.” *Lowell Wakefield Fisheries Symposium*, Anchorage, AK, May 13-16, 2014.
- “The Importance of Location and Timing of Fishing Effort for Bycatch Avoidance in the BSAI Non-Pollock Groundfish Trawl Fishery.” *Lowell Wakefield Fisheries Symposium*, Anchorage, AK, May 13-16, 2014.
- “ACES High or Low? The Impact of a Severance Tax Change on Alaskan Oil Activity.” *Western Regional Science Association*, San Diego, CA, February 18, 2014.
- “Institutional Dependence of the Fishery Production Function.” *Association of Environmental and Resource Economists Summer Conference*, Banff, AB, June 6-8, 2013.
- “Management Institutions, Incentives and the Multiple Margins of Selectivity in Fishing: Evidence from a “Non-Selective” Trawl Fishery.” *Association of Environmental and Resource Economists Summer Conference*, Banff, AB, June 6-8, 2013.
- “Institutional Dependence of the Fishery Production Function.” *Forum of the North American Association of Fisheries Economists*, St. Petersburg, FL, May 23, 2013.
- “Technology or Incentives? Bycatch Avoidance in the BSAI Groundfish Fishery.” *Forum of the North American Association of Fisheries Economists*, St. Petersburg, FL, May 23, 2013.
- “Targeting Ability Under Rights-based Management: The Amendment 80 Bering Sea/Aleutian Islands Groundfish Fishery.” *Alaska Marine Science Symposium*, Anchorage, AK, January 21-25, 2013.
- “Is the Fisheries Production Function Institution Dependent? Implications for Targeting Ability in Multispecies Fisheries.” *International Institute of Fisheries Economics and Trade’s 16th Biennial Conference*, Dar es Salaam, Tanzania, July 16-20, 2012.
- “Unraveling the Multiple Margins of Rent Generation from Individual Transferable Quotas.” *International Institute of Fisheries Economics and Trade’s 16th Biennial Conference*, Dar es Salaam, Tanzania, July 16-20, 2012.
- “Hidden Flexibility: Institutions, Incentives and the Margins of Selectivity in Fisheries.” *Association of Environmental and Resource Economists Summer Conference*, Asheville, NC, June 3-5, 2012.
- “Unraveling the Multiple Margins of Rent Generation from Individual Transferable Quotas.” *Association of Environmental and Resource Economists Summer Conference*, Asheville, NC, June 3-5, 2012.
- “ITQ Effects on Intraseasonal Fishing Behavior: An Investigation of the BSAI Crab Fisheries.” *American Fisheries Society 141st Annual Meeting*, Seattle, WA, September 4-8, 2011.
- “The Effects of ITQ Implementation on Intraseasonal Fishing Behavior: An Empirical Investigation of the BSAI Red King Crab Fishery.” *Forum of the North American Association of Fisheries Economists*, Honolulu, HI, May 11-13, 2011.

INVITED SEMINARS

- “Commercial Fisheries & Local Economies.” *Southwest Fisheries Science Center Seminar Series*, National Marine Fisheries Service, NOAA, Santa Cruz, CA, November 4, 2020.
- “Commercial Fisheries, Coastal Communities, and Local Economies: What Connects the Dots?.” *John and Mary Louise Riley Seminar Series*, Bodega Marine Laboratory, University of California, Davis, August 12, 2020.
- “Local Economic Multipliers from Commercial Fishing.” *School of Business*, University of Stavanger, Stavanger, NO, September 25, 2019.
- “Local Economic Multipliers from Commercial Fishing: Evidence from Alaska.” *The Ocean’s Role in Sustainable Food Production Symposium*, University of California Davis, Davis, CA, September 16, 2019.

- “Structural Behavioral Models for Rights-Based Fisheries.” *ENRECON Seminar Series*, Arizona State University, March 22, 2019.
- “Mechanisms Matter for Evaluating the Economic Impacts of Marine Reserves.” Department of Agricultural and Resource Economics, University of California, Davis, February 21, 2019.
- “The Quest for Policy Invariant Relationships: Going Beyond Statistics for Fishery Policy Evaluation.” *Monster Seminar JAM*, Northwest Fisheries Science Center, NOAA, Seattle, WA, February 8, 2018.
- “Structural vs. Program Evaluation Approaches for Evaluating Fishery Policies.” *FishEcon Workshop*, Norwegian School of Economics, Bergen, NO, October 29, 2017.
- “Mechanisms Matter for Evaluating the Economic Impacts of Spatial Marine Closures.” *Environmental and Resource Economics Seminar Series*, Department of Applied Economics, University of Minnesota, May 1, 2017.
- “How to Include Fisheries Economics in the Management of Fisheries.” *Marine Resource Economics Research Group*, Norwegian College of Fishery Science, University of Tromsø, December 5, 2016.
- “Rural Livelihoods and Institutional Reform: Small-scale Fisheries in Tanzania.” *Understanding Artisanal Fisheries Workshop*, Global Economic Dynamics and the Biosphere Program, Stockholm, Sweden, September 16, 2016.
- “Multiple Margins of Fishing Behavior: Implications for Predicting the Effects of a Policy Change.” School of Fisheries and Ocean Sciences, University of Alaska Fairbanks, May 2, 2014.
- “Multiple Margins of Fishing Behavior: Implications for Predicting the Effects of a Policy Change.” College of Business and Public Policy Seminar Series, University of Alaska Anchorage, March 28, 2014.
- “Multiple Margins of Fishing Behavior: Implications for Predicting the Effects of a Policy Change.” *School of Aquatic and Fishery Science Seminar Series*, University of Washington, March 6, 2014.
- “What’s the Fishery Production Function? Implications for Fishery Policy Evaluation.” *Environmental & Resource Economics Workshop*, Department of Agricultural and Resource Economics, University of California Davis, November 2, 2012.
- “Multiple Margins of Rent Generation in the Alaskan Red King Crab Fishery.” *ENRECON Seminar*, Arizona State University, Department of Economics, November 18, 2011.
- “Multiple Margins of Rent Generation in the Alaskan Red King Crab Fishery.” University of Calgary, Department of Economics, November 9, 2011.
- “Multiple Margins of Rent Generation in the Alaskan Red King Crab Fishery.” *Lessons Learned in Rights-based Fisheries Management Workshop*, Property and the Environment Research Center, Bozeman, MT, July 26-29, 2011.

CONFERENCE POSTERS

- “Identifying the Potential for Cross-Fishery Spillovers: A Network Analysis of Alaskan Permitting Patterns.” *Alaska Marine Science Symposium*, Anchorage, AK, January 22, 2018.
- “The Economic Impacts of Spatial Closures: Evidence from Stellar Sea Lion Protective Measures in the North Pacific.” *Alaska Marine Science Symposium*, Anchorage, AK, January 24, 2017.
- “Modeling the Complex Regulatory Interactions Across Multiple Groundfish Fisheries of the Bering Sea.” *American Fisheries Society*, Portland, OR, August, 2015.
- “Biological and Economic Implications of Layered Management Measures for Bering Sea Groundfish Fisheries.” *1st Annual UAA Faculty Research & Creative Activity Symposium*, Anchorage, AK, September 5-8, 2014.
- “Modeling Biological and Economic Implications of Layered Management Measures for the Bering Sea Groundfish Fisheries.” *Alaska Marine Science Symposium*, Anchorage, AK, January 21, 2014.
- “Technology or Incentives? Bycatch Avoidance and the Multiple Margins of Selectivity in Fishing.” *All-Faculty Conference*, College of Business and Public Policy, University of Alaska Anchorage, May 9, 2013.

TEACHING

University of California, Davis

Applied Microeconometrics, ARE 202C
Econometric Theory and Applications, ARE 106
Natural Resource Economics, ARE 175/ESP 175
Econometric Methods, Econ 240B, Teaching Assistant

Spring 2021-2022
Winter 2021, Fall 2021
Spring 2020-2022
Spring 2010-2011

University of Alaska Anchorage

Economics of Fisheries, ECON A390
Methods for Public Policy Evaluation, ECON A390
Natural Resource Economics, ECON A435
Principles of Microeconomics, ECON A202
Industrial Organization, ECON A459

Spring 2018
Spring 2015-2017
Fall 2014-2015
Spring 2014
Fall 2013

SERVICE

Professional Service

Peer Reviewer

American Journal of Agricultural Economics, Ecological Applications, Ecological Economics, Environmental and Resource Economics, Fisheries, Fisheries Research, ICES Journal of Marine Science, Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Land Economics, Marine Policy, Marine Resource Economics, Nature, Proceedings of the National Academy of Sciences, Resource and Energy Economics, Science

Guest Editor, Marine Resource Economics Special Issue: Economics of Marine Resources in the Global South 2021
Scientific Committee Member, International Institute of Fisheries Economics and Trade's Biennial Conference 2016-2020
Abstract Peer Reviewer, Agricultural & Applied Economics Association Annual Conference 2017-2019
Abstract Peer Reviewer, North American Association of Fisheries Economists' Biennial Forum 2015-2019
Steering Committee Member, Alaska Sea Grant International Wakefield Fisheries Symposium 2015

Public Service

Member, Science Panel, North Pacific Research Board 2017-Present
Member, Social Science Planning Team, North Pacific Fisheries Management Council 2017-Present
Member, Science and Statistical Committee, Pacific Fisheries Management Council 2022-present
Member, Science and Statistical Committee, North Pacific Fisheries Management Council 2013-2021
Panel Member, Human Dimensions Workshop, Alaska Fisheries Science Center, NOAA 2016
Panel Member, Bristol Bay Salmon Symposium, University of Washington 2015
Advisory Panel Member, Bristol Bay Science and Research Institute 2014-2015
Panel Member, Investment Inquiry, Institute of the North 2013