

MATTHEW N. REIMER

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EDUCATION

- Ph.D. Agricultural and Resource Economics, 2012, University of California, Davis.
B.A. Economics (first class honors), University of Calgary.

PROFESSIONAL APPOINTMENTS

- 2013-Present **Assistant Professor of Economics**, Institute of Social and Economic Research, Department of Economics and Public Policy, University of Alaska Anchorage.
2016-Present **Adjunct Faculty**, Fisheries, Aquatic Science and Technology Laboratory, Alaska Pacific University.
2013-Present **Member**, Scientific and Statistical Committee, North Pacific Fishery Management Council.
2017-Present **Member**, Scientific Panel, North Pacific Research Board.
2017-Present **Member**, Social Science Planning Team, North Pacific Fishery Management Council.
2012 **Pre-Doctoral Researcher**, Center for Environmental Economics and Sustainability Policy, Arizona State University.
2008-2012 **Research and Teaching Assistant**, Department of Agricultural and Resource Economics, University of California Davis.
2008 **Research Assistant**, Department of Economics, University of Calgary.

PUBLICATIONS

Peer-Reviewed Publications

1. Schoen, E., Wipfli, M., Trammel, J., Rinella, D., Floyd, A., Grunblatt J., McCarthy, M., Meyer, B., Morton, J., Powell, J., Prakash, A., **Reimer, M.N.**, Stuefer, S., Toniolo, H., Wells, B., Witmer F. "Future of Pacific Salmon in the Face of Change: Lessons from One of the Few Remaining Productive Salmon Regions." Conditionally Accepted at *Fisheries*.
2. MacColl, S., Onyango, P., **Reimer, M.N.**, Stopnitzky, Y. "Unintended Consequences of Enforcement in a Cooperative Institution: Experimental Evidence from Tanzanian Fishers." Conditionally Accepted at *Ocean and Coastal Management*.
3. **Reimer, M.N.**, Guettabi, M., Tanaka, C. (2017) "Short-Run Impacts of a Severance Tax Change: Evidence from Alaska." *Energy Policy*, 107, 448-458.
4. **Reimer, M.N.**, Abbott, J.K., Wilen, J.E. (2017) "Fisheries Production: Spatial Choice, Management Institutions, and the Quest for Policy Invariance." *Marine Resource Economics*, 32(2), 143-168.

5. **Reimer, M.N.**, Abbott, J.K., Haynie, A.C. (2017) “Empirical Models of Fisheries Production: Conflating Technology with Incentives?” *Marine Resource Economics*, 32(2), 169-190.
6. Abbott, J.K., Haynie, A., **Reimer, M.N.** (2015) “Hidden Flexibilities: Institutions, Incentives, and the Margins of Selectivity in Fishing.” *Land Economics*, 91(1), 169-195.
7. **Reimer, M.N.**, Abbott J.K., Wilen, J.E. (2014) “Unraveling the Multiple Margins of Rent Generation from Individual Transferable Quotas.” *Land Economics*, 90(3), 538-559.
8. Sethi, S.A., **Reimer, M.N.**, Knapp, G. (2014) “Alaskan Fishing Community Revenues and the Stabilizing Role of Fishing Portfolios.” *Marine Policy*. 48, 134-141.
9. **Reimer, M.N.**, Wilen, J.E. (2013) “Regulated Open Access and Regulated Restricted Access Fisheries.” In J. Shogren (Ed.) *Encyclopedia of Energy, Resource, and Environmental Economics*, 215-223, Elsevier Science.

Manuscripts Under Peer Review

10. Bair, L.S., Yackulic, C.B., Springborn, M.R., **Reimer, M.N.**, Bond, C.B., Coggins, L.G. “Identifying Cost-Effective Invasive Species Control Strategies to Enhance Endangered Species Population Abundance.” Under Review.
11. **Reimer, M.N.**, Haynie, A. “Mechanisms Matter for Evaluating the Economic Impacts of Marine Reserves.” Revise and Resubmit.

In Preparation for Submission

12. Addicott, E., Kroetz, K., **Reimer, M.N.**, Sanchirico, J.N., Lew, D.K., Huetteman, J. “Characterizing Cross-Fishery Permitting Patterns using Network Analysis.”
13. **Reimer, M.N.**, Dougherty, D., Anderson, C.M., Haynie, A., Hilborn, R., Ianelli, J. “Modeling Fleet Behavior in a Multispecies Fishery with Output Quotas: An Annual Planning Approach.”
14. Abe, K., Anderson, C.M., **Reimer, M.N.** “Dynamic Choice of Target Species: Estimation and Policy Simulation for the Alaskan Pollock Fishery.”
15. Graves, V., Onyango, P., **Reimer, M.N.**, Stopnitzky, Y. “Does Poverty Impede Cognitive Performance? Experimental Evidence from Tanzanian Fishers.”
16. Swanson, W., **Reimer, M.N.** “Pricing the Risk of Commercial Fishing.”
17. Swanson, W., **Reimer, M.N.** “Modeling the Demand for Permits Across Multiple Fisheries.”

RESEARCH FUNDING (Total = \$1,833,092)

Ongoing Research Funding

18. “Socioeconomic Impacts of Fisheries Management Changes: Connecting Fishery Policies to Fishing Portfolios.” *North Pacific Research Board*. PI: **Matthew Reimer**, Co-PIs: Kailin Kroetz (Resources

for the Future), James Sanchirico (University of California Davis), Daniel Lew (NOAA Alaska Fisheries Science Center), \$308,528. 2017-2020.

19. "Network Analysis of the Dynamic Evolution of Alaska Fishing Portfolios." *ECS Federal, Inc., National Oceanic and Atmospheric Administration*. PI: Kailin Kroetz (Resources for the Future). Co-PIs: **Matthew Reimer**, James Sanchirico (University of California Davis), Daniel Lew (NOAA Alaska Fisheries Science Center). \$44,500. 2016-2017.
20. "Changing the Paradigm of Halibut Management in Alaska." *NOAA Saltonstall-Kennedy Grant Program*. PI: Courtney Carothers (University of Alaska Fairbanks), Co-PI: **Matthew Reimer**. \$296,984. 2016- 2018.
21. "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: **Matthew Reimer**, Co-PIs: Joshua Abbott (Arizona State University), Alan Haynie (NOAA Alaska Fisheries Science Center), \$236,685. 2016- 2019.
22. "Simulating Spatial and Temporal Uncertainty in FishSET." *Pacific States Marine Fisheries Commission*. PI: **Matthew Reimer**, \$51,290. 2016-2017.
23. "EPSCoR IV: Southcentral Test Case Economic Component." *University of Alaska Fairbanks EPSCoR*. PI: **Matthew Reimer**. Co-PI: Lance Howe (University of Alaska Anchorage). \$272,388. 2015-2017.
24. "Applied Decision Methods for the Glen Canyon Adaptive Management Program." *Southwest Biological Science Center of the U.S. Geological Survey*. PI: **Matthew Reimer**. \$43,500. 2015- 2017.

Completed Research Funding

25. "Assessing the Economic Impacts of 2011 Stellar Sea Lion (SSL) Protective Measures in the Aleutian Islands." *Pacific States Marine Fisheries Commission*. PI: **Matthew Reimer**, \$56,700. 2014-2016.
26. "Rural Livelihoods and Institutional Reform in Small-Scale Fisheries in Tanzania." *BASIS Assets and Market Access Collaborative Research Support Program*. PI: Yaniv Stopnitzky (University of San Francisco), Co-PIs: **Matthew Reimer**, Paul Onyango (University of Dar es Salaam). \$110,000. 2014-2015.
27. "Modeling Biological and Economic Implications of Layered Management Measures for Bering Sea Groundfish Fisheries." *Pollock Conservation Cooperative Research Center*. PI: Gunnar Knapp (University of Alaska Anchorage). Co-PIs: **Matthew Reimer**, Chris Anderson (University of Washington), Ray Hilborn (University of Washington), \$400,000, 2013-2015.
28. "Alaskan Cod Market Analysis." *Bristol Bay Economic Development Corporation*. PI: **Matthew Reimer**. Co-PI: Gunnar Knapp (University of Alaska Anchorage). \$12,000. 2013.

TECHNICAL REPORTS

Final Reports

29. **Reimer, M.N.**, Howe, L., Guettabi, M., Schwörer, T. (2016) "EPSCoR IV: Economic Component of the Kenai Case Study." Prepared for the *EPSCoR Southcentral Test Case*.

30. **Reimer, M.N.**, Dougherty, D., Anderson, C., Hilborn, R. (2015) “Final Report: Modeling Biological and Economic Implications of Layered Management Measures for Bering Sea Groundfish Fisheries.” Prepared for the *Pollock Conservation Cooperative Research Center*.
31. **Reimer, M.N.**, Stopnitzky, Y. (2015) “Final Report: Rural Livelihoods and Institutional Reform in Small-scale Fisheries in Tanzania.” Prepared for *BASIS Assets and Market Access Collaborative Research Support Program*.
32. **Reimer, M.N.**, Tanaka, C. (2013) “Alaskan Cod Market Analysis.” Prepared for the *Bristol Bay Economic Development Corporation*.

Annual Progress Reports

33. **Reimer, M.N.**, Dougherty, D., Anderson, C. (2013) “Annual Report for Modeling Biological and Economic Implications of Layered Management Measures for Bering Sea Groundfish Fisheries.” Prepared for the *Pollock Conservation Cooperative Research Center*.
34. **Reimer, M.N.**, Dougherty, D., Anderson, C. (2014) “Annual Report for Modeling Biological and Economic Implications of Layered Management Measures for Bering Sea Groundfish Fisheries.” Prepared for the *Pollock Conservation Cooperative Research Center*.

PRESENTATIONS

Conference Presentations

35. “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.
36. “Dynamic choice of target species: Estimation and Policy Simulation Alaskan Pollock Catcher-Processors.” *Forum of the North American Association of Fisheries Economists*, La Paz, Mexico, March 22, 2017.
37. “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.
38. “The Amendment 80 fishery: a long-term view on the key management changes that have impacted this North Pacific multi-species fishery.” *International Institute of Fisheries Economics and Trade’s 18th Biennial Conference*, Aberdeen, Scotland, July 11-15, 2016.
39. “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.
40. “Bycatch Avoidance Under Amendment 80 in the BSAI Non-Pollock Groundfish Trawl Fishery.” *Lowell Wakefield Fisheries Symposium*, Anchorage, AK, May 13-16, 2014.

41. "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.
42. "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.
43. "Institutional Dependence of the Fishery Production Function." *Association of Environmental and Resource Economists Summer Conference*, Banff, AB, June 6-8, 2013.
44. "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.
45. "Institutional Dependence of the Fishery Production Function." *Forum of the North American Association of Fisheries Economists*, St. Petersburg, FL, May 23, 2013.
46. "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.
47. "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.
48. "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.
49. "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.
50. "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.
51. "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.
52. "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.
53. "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

54. "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.

55. "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.
56. "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.
57. "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.
58. "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.
59. "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.
60. "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.
61. "Multiple Margins of Rent Generation in the Alaskan Red King Crab Fishery." *ENRECON Seminar*, Arizona State University, Department of Economics, November 18, 2011.
62. "Multiple Margins of Rent Generation in the Alaskan Red King Crab Fishery." University of Calgary, Department of Economics, November 9, 2011.
63. "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

64. "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.
65. "Modeling the Complex Regulatory Interactions Across Multiple Groundfish Fisheries of the Bering Sea." *American Fisheries Society*, Portland, OR, August, 2015.
66. "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.
67. "Modeling Biological and Economic Implications of Layered Management Measures for the Bering Sea Groundfish Fisheries." *Alaska Marine Science Symposium*, Anchorage, AK, January 21, 2014.
68. "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.

Professional Presentations

69. "EPSCoR IV: Economic Component of the Kenai Case Study." Invited Speaker, *EPSCoR Southcentral Test Case Annual Workshop*, Kenai, AK, May 3, 2016.
70. "Final Report: Modeling Biological and Economic Implications of Layered Management Measures for Bering Sea Groundfish Fisheries." Presented to the Board of the *Pollock Conservation Cooperative Research Center*, Anchorage, AK, January 29, 2016.
71. "Wildlife and Alaskans: Life amongst Complex Relations." UAA Bookstore Event, Anchorage, AK, February 10, 2015.
72. "Annual Report: Modeling Biological and Economic Implications of Layered Management Measures for Bering Sea Groundfish Fisheries, 2014." Presented to the Board of the *Pollock Conservation Cooperative Research Center*, Anchorage, AK, January 23, 2015.
73. "Annual Report: Modeling Biological and Economic Implications of Layered Management Measures for Bering Sea Groundfish Fisheries, 2013." Presented to the Board of the *Pollock Conservation Cooperative Research Center*, Anchorage, AK, January 23, 2014.

TEACHING

Courses

University of Alaska Anchorage

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| Spring 2017 | <i>Methods for Public Policy Evaluation</i> , Econ A390, 3 credits, Elective, Upper Division. |
| Spring 2016 | <i>Methods for Public Policy Evaluation</i> , Econ A390, 3 credits, Elective, Upper Division. |
| Fall 2015 | <i>Natural Resource Economics</i> , Econ A435, 3 credits, Elective, Upper Division. |
| Spring 2015 | <i>Methods for Public Policy Evaluation</i> , Econ A390, 3 credits, Elective, Upper Division. |
| Fall 2014 | <i>Natural Resource Economics</i> , Econ A435, 3 credits, Elective, Upper Division. |
| Spring 2014 | <i>Principles of Microeconomics</i> , Econ A202, 3 credits, Requisite, Lower Division. |
| Fall 2014 | <i>Industrial Organization and Public Policy</i> , Econ A459, 3 credits, Elective, Upper Division. |

University of California Davis

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| Spring 2011 | <i>Econometric Methods</i> , Teaching Assistant, Econ 240B, Ph.D. core course. |
| Spring 2010 | <i>Econometric Methods</i> , Teaching Assistant, Econ 240B, Ph.D. core course. |

Guest Lectures

University of Washington

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| Summer 2015 | <i>Management of Pacific Salmon</i> , FISH 497, July2-4, Guest Lecturer. |
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SERVICE

Public Service

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

University Service

Undergraduate Mentorship

- 2015 **Faculty Sponsor** for undergraduate Economics major, Andrew Steinkrueger, ISER's 2015 Public Policy Internship.

Institute, College, and University Committees

- 2016-2017 **Search Committee (Chair)**, for Research Professional position at ISER.
- 2016 **Search Committee (Member)**, for ISER Director position.
- 2015-2016 **Scholarship/Tuition Assistance Committee (Member)**
- 2015-2016 **Search Committee (Chair)**, for two tenure-track Economics faculty position at ISER.
- 2015-2016 **ISER Visioning Committee (Member)**, strategic planning for ISER.
- 2013-2014 **CBPP Seminar Committee (Member)**
- 2013 **Search Committee (Chair)**, for five Research Professional positions at ISER.

Professional Service

Journal Article Peer Review

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

Other Peer Review

- 2017 **Best Student Paper Reviewer**, Forum of the North American Association of Fisheries Economists.
- 2017 **Abstract Peer Reviewer**, Agricultural & Applied Economics Association Annual Conference.
- 2015 **Abstract Peer Reviewer**, Forum of the North American Association of Fisheries Economists.
- 2013 **Peer Reviewer**, Washington Sea Grant, Research Proposal.

Conference Organization

- 2015 **Steering Committee Member** for 2015 Alaska Sea Grant International Wakefield Fisheries. Symposium: "Data-Limited Fisheries"

Memberships

- 2013-Present **Member**, American Economic Association.
- 2011-Present **Member**, North American Association of Fisheries Economists
- 2011-Present **Member**, International Institute of Fisheries Economics and Trade
- 2011-Present **Member**, Association of Environmental and Resource Economists