

Sunny L. Jardine

University of Washington, School of Marine and Environmental Affairs

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EDUCATION

Ph.D., Agricultural and Resource Economics, University of California at Davis, 2013

M.A., International Development Economics, University of San Francisco, 2008

B.S., Environmental Studies, SUNY College of Environmental Science and Forestry, 2002

EMPLOYMENT

Assistant Professor, School of Marine and Environmental Affairs, University of Washington, September 2016-Present

Faculty member, Quantitative Ecology and Resource Management Interdisciplinary Graduate Program, 2018-Present

Assistant Professor, School of Marine Science and Policy, University of Delaware, September 2013-August 2016

Faculty member, Department of Applied Economics and Statistics, University of Delaware, April 2014-August 2016

PROFESSIONAL RECOGNITION

Associate Editor, Marine Resource Economics, July 2015-Present

Scientific and Statistical Committee, Mid-Atlantic Fisheries Management Council, 2013 - 2016

GRADUATE STUDENTS AND POST-DOCTORATES SUPERVISED

M.M.A., University of Washington, School of Marine and Environmental Affairs

Graduation Expected 2021: Kathryn Bland and Stuart Jones

Graduated in 2020: Louis Forristall, Brittany Hoedemaker, Elise Lasky, Jon McVeigh, Angela Moran, Nicholas Nagengast, and Stephanie Wolek

Graduated in 2019: Katie Chicojay, Emilie Franke, Kelly Martin, Priscilla Rivas, and Alexandra Stote

Graduated in 2018: Diana Perry and Lange Solberg

M.A., University of Delaware, School of Marine Science and Policy

Graduated in 2017: Meredith Kurz

Graduated in 2016: Jefferson Flood

Ph.D., University of Delaware, School of Marine Science and Policy

Graduated in 2019: Lingxiao Yan

Post-doctoral Scholars

2019 - Present: Braeden VanDeynze and Adam L. Hayes

PRINCIPAL PUBLICATIONS RELATED TO THIS PROPOSAL

Fisher, M.C., Moore, S.K., Jardine, S.L., Watson, J.R., Samhouri, J.F. (2020) Climate Shock Effects and Mediation in Fisheries, *Proceedings of the National Academy of Sciences*, 118(2).

Kroetz, K., Luque, G.M., Gephart, J.A., Jardine, S.L., Lee, P., Chicojay Moore, K., Colef C., Steinkruger, A., and Donlan, C.J. (2020). Consequences of seafood mislabeling for marine populations and fisheries management, *Proceedings of the National Academy of Sciences*, 117(48), pp.30318-30323.

Jardine, S.L., Fisher, M., Moore, S., Samhouri, J. (2020). Inequality in the economic impacts from climate shocks in fisheries: the case of harmful algal blooms. *Ecological Economics*, 176, 106691.

Mao, J., and Jardine, S.L. (2020). Market Impacts of a Toxic Algae Event: The Case of California Dungeness Crab, *Marine Resource Economics*, 35(1), 1-20.

Moore, K.M., Allison, E.H., Dreyer, S.J., Ekstrom, J.A., Jardine, S.L., Klinger, T., Moore, S.K. and Norman, K.C. (2020). Harmful algal blooms: identifying effective adaptive actions used in fishery-dependent communities in response to a protracted event. *Frontiers in Marine Science*, 6, 1-12.

Tan, Y., and Jardine, S.L. (2018). Considering economic efficiency in ecosystem-based management: The case of horseshoe crabs in Delaware Bay, *Environmental and Resource Economics*, 72(2), 511-538.

Jardine, S.L., and Sanchirico, J.N. (2017). Estimating the cost of invasive species control, *Journal of Environmental Economics and Management*, 87, 242-257.

Jardine, S.L., and Sanchirico, J.N. (2015). Fishermen, markets, and population diversity. *Journal of Environmental Economics and Management*, 74, 37-54.

Jardine, S.L., C.-Y. C. Lin, and Sanchirico, J.N. (2014). Measuring the benefits from a marketing cooperative in the Copper River fishery. *American Journal of Agricultural Economics*, 96(4), 1084-1101.

Lampert, A., A. Hastings, E.D. Grosholz, Jardine, S.L., and Sanchirico, J.N. (2014). Optimal approaches for balancing invasive species eradication and endangered species management. *Science* 344(6187), 1028-1031.