

Gabriel S. Sampson
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Education

University of California, Davis

Ph.D., Agricultural and Resource Economics, 2016

Fields: Environmental and Resource Economics, Econometrics

Dissertation Title: Economies of Spatial Scale in the Fishery

University of California, Santa Barbara

Master of Environmental Science and Management, 2010

California State University, Chico

B.S., Environmental Science, 2007

Positions

Assistant Professor, Department of Agricultural Economics, Kansas State University, 2016-present

Research Interests

Natural Resource Economics, Environmental Economics, Water Resources, Conservation

Peer-Reviewed Publications

(* denotes graduate student coauthor)

Taylor, M.R., N.P. Hendricks, and G.S. Sampson, "The Opportunity Cost of the Conservation Reserve Program: A Kansas Land Example," *Applied Economic Perspectives and Policy*, accepted, December 2019

E.O. Ofori*, G.S. Sampson, and J. Vipham. "Smallholder Cooperatives and Agricultural Performance in Cambodia," *Natural Resources Forum*, 43: 218-229.

Sampson, G.S. and E.D. Perry. 2019. "Peer Effects in the Diffusion of Water-saving Agricultural Technologies," *Agricultural Economics*, 50: 693-706.

Sampson, G.S., N.P. Hendricks, and M.R. Taylor. 2019. "Land Market Valuation of Groundwater," *Resource and Energy Economics*, 58: 101120. <https://doi.org/10.1016/j.reseneeco.2019.101120>.

Sampson, G.S. and J.N. Sanchirico. 2019. "Exploitation of a Mobile Resource with Costly Cooperation," *Environmental and Resource Economics*, 73(4): 1135-1163.

Sampson, G.S. and E.D. Perry. 2019. "The Role of Peer Effects in Natural Resource Appropriation: The Case of Groundwater," *American Journal of Agricultural Economics*, 101(1): 154-171.

Sampson, G.S. 2018. "Economic Spillovers in Spatial Harvest Behavior," *Ecological Economics*, 145(2018): 57-74.

Sampson, G.S., J.N. Sanchirico, C.A. Roheim, S. Bush, J.E. Taylor, E.H. Allison, J.L. Anderson, N. Ban, R. Fujita, S. Jupiter, and J.R. Wilson. 2015. "Secure Sustainable Seafood from Developing Countries," *Science* 348(6234): 504-506.

Farzan, S., D. Young, A. Dedrick, M. Hamilton, E. Porse, P. Coates, and G.S. Sampson. 2015. "Western Juniper Management: Assessing Policies for Greater Sage-Grouse Habitat and Rangeland Productivity," *Environmental Management* 56(3): 675-683.

Working Papers

Sampson, G.S., E.D. Perry, and M.R. Taylor. "On-farm and Near-farm Effects of Wind Turbines on Agricultural Land Values," *Journal of Agricultural and Resource Economics*, revise and resubmit, September 2019.

Other Publications

Lew, D.K., G.S. Sampson, A. Himes-Cornell, J. Lee, and B. Gabrer-Yonts. 2015. "Costs, Earnings, and Employment in the Alaska Saltwater Sport Fishing Charter Sector, 2011-2013," *NOAA Technical Memorandum NMFS-AFSC*.

Burtraw, D., A. Krupnick, and G.S. Sampson. 2012. "The True Cost of Electric Power," Resources for the Future Report, Washington, DC.

Sampson, G.S. 2009. "Solar Power Installations on Closed Landfills: Technical and Regulatory Considerations". Report Prepared for US EPA Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation.

Selected Works in Progress

Al-Sudani, A., G.S. Sampson, and J. Bergtold. 2019. "Spatial-Temporal Impacts of Biofuel Growth on Crop Choice, Groundwater Depletion, and Farm Profitability in the Kansas High Plains Aquifer."

Sampson, G.S. and J. Yu. 2019. "The Effects of Groundwater Salinity on Crop Patterns in the Kansas High Plains Aquifer."

Teaching Experience

Instructor, Kansas State University, Department of Agricultural Economics, AGEC 925: Advanced Environmental and Natural Resource Economics (PhD Level, Fall 2017)

Instructor, Kansas State University, Department of Agricultural Economics, AGEC 825: Natural Resource Policy (Master's and PhD Level, Fall 2016, Fall 2018)

Instructor, Kansas State University, Department of Agricultural Economics, AGEC 525: Natural Resource and Environmental Economics (Undergraduate Level, Fall 2018, Fall 2019)

Guest Lecturer, Kansas State University, Department of Agricultural Economics, AGEC 525: Natural Resource Economics (Undergraduate Level, Fall 2017)

Guest Lecturer, Kansas State University, Department of Biological and Agricultural Engineering, ATM 661: Watershed Management (Undergraduate Level, Fall 2017)

Guest Lecturer, University of California, Davis, Department of Environmental Science and Policy, ESP 166N: Ocean and Coastal Management

Grants and Funded Research

PI, "Assessing Trade-Offs Between Agricultural Intensification and Natural Resources" with D. Presley (Co-PI). (\$69,852). John and Della Hodler Research Fund. *October 2018 - October 2020*.

Co-PI, "Multidimensional Trade-Off Analysis of Integrated Animal-Horticulture Farming Systems for Improved Smallholder Farmer Adoption Recommendations" with J.L. Vipham (PI), J. DeRouche, C. Rivard, Z. Stewart (Co-PIs). (\$750,000). UC Davis Horticulture Innovation Lab and USAID. *February 20, 2017 - July 31, 2019*.

Selected Grants Applied

PI, "The Effects of Groundwater Salinity on Crop Patterns and Yields in the Kansas High Plains

Aquifer.” (\$5,000) with J. Yu (Co-PI), CoBank Research Fellowship. *not awarded.*

PI, “Social Propagation of Irrigation and Efficient Irrigation Technologies.” (\$30,000) with E.D. Perry (Co-PI), Kansas Water Resources Institute. *not awarded.*

Co-PI, “How the Necessity for Water Conservation Will Impact Food Production and Allow for Economic Incentives Through the Generation of Renewable Energy.” (\$2,500,000) with J. Tucker (PI), W. Goe, H. Morgan, V. Rahmani (Co-PIs), National Science Foundation. *not awarded.*

Selected Presentations, Workshops, Posters

2019: Kansas State University Risk and Profit Conference, “The Effect of Wind Turbines, Groundwater Stocks, and Irrigation on Land Values.”

2019: Agricultural and Applied Economics Association Annual Meeting, “On-farm and Near-farm Effects of Wind Turbines on Agricultural Land Values,” with E. Perry and M. Taylor.

2019: Association of Environmental and Resource Economists Annual Meeting, “Land Market Valuation of Groundwater,” with N. Hendricks and M. Taylor.

2018: Heartland Environmental and Resource Economics Workshop, “Land Market Valuation of Groundwater,” with N. Hendricks and M. Taylor.

2018: Agricultural and Applied Economics Association Annual Meeting, “Peer Effects in the Diffusion of Water Saving Agricultural Technologies,” with E. Perry.

2018: Agricultural and Applied Economics Association Annual Meeting, “Land Market Valuation of Groundwater Availability,” with N. Hendricks and M. Taylor.

2018: UC Davis Horticulture Innovation Lab Annual Meeting, “Multidimensional Trade-Off Analysis of Integrated Animal-Horticulture Farming Systems for Improved Smallholder Farmer Adoption Recommendations,” with J. Vipham, L. Hok, J. Derouchey, K. Sath, C. Rivard, P. Srean, A. Yoeu, Z. Stewart, C. Leangrun.

2017: Association of Environmental and Resource Economists Annual Meeting, “The Role of Peer Effects in Resource Extraction Technologies: The Case of Groundwater Irrigation in Kansas,” with E. Perry.

2017: Agricultural and Applied Economics Association Annual Meeting, “The Role of Peer Effects in Resource Extraction Technologies: The Case of Groundwater Irrigation in Kansas,” with E. Perry.

2016: Association of Environmental and Resource Economists Annual Meeting, “Economic Spillovers in Spatial Harvest Behavior.”

2016: Southern Economic Association Annual Meeting, “Exploitation of a Mobile Resource with Costly Cooperation,” with J. Sanchirico.

2015: Kansas State University Department of Agricultural Economics

2015: Property and Environment Research Center

2015: Agricultural and Applied Economics Association Annual Meeting, “Cooperation, Externalities, and Spatial Property Rights: Implications for Small Scale Fisheries Management,” with J. Sanchirico and J. Wilen

2015: North American Association of Fisheries Economists Forum, “Cooperation, Externalities, and Spatial Property Rights: Implications for Small Scale Fisheries Management,” with J. Sanchirico and J. Wilen

2014: Small Scale Fisheries Management Reform and Habitat Conservation (hosted by David and Lucille Packard Foundation), with E. Allison, J. Anderson, N. Ban, S. Bush, R. Fujita, S. Jupiter, C. Roheim, J. Sanchirico, J.E. Taylor, and J. Wilson.

2013: UC Davis REACH IGERT Workshop (hosted by National Science Foundation), with A. Dedrick, S. Farzan, M. Hamilton, E. Porse, and D. Young.

Fellowships and Awards

Property and Environment Research Center, Graduate Fellowship (2015)

National Science Foundation, IGERT Fellowship for Designing management scale for complex marine ecosystems (2015)

University of California, Davis, Henry Jastro Research Grant (2015-2016)

University of California, Davis, Graduate Student Travel Award (2015)

National Science Foundation, IGERT Fellowship for Responding to rapid environmental change

(2011-2013)

US Environmental Protection Agency, National Network for Environmental Management Studies Fellowship (2009)

Graduate Students

Sang Su Ha (major advisor), Ph.D. (expected 2020)

Syed Haroon (committee), Ph.D. (expected 2020)

Juhee Lee (committee), Ph.D. (expected 2020)

Amer Al Saldani (co-major advisor), Ph.D. (expected 2020)

Professional Service

Peer reviewer for:

Journal of the Association of Environmental and Resource Economists

American Journal of Agricultural Economics

Land Economics

Resource and Energy Economics

Journal of Agricultural and Resource Economics

Marine Resource Economics

Water Resources Research

Journal of the American Water Resources Association

Natural Resource Modeling

Fisheries Research

Fish and Fisheries

AAEA Annual Meeting 2019 abstract referee

USDA-NIFA Hatch Proposal

Department Service

Department of Agricultural Economics Representative, Northeast Extension Agricultural Economist Screening Committee, Kansas Farm Management Association, 2019

Graduate Program Committee, 2018 -

Ph.D. Preliminary Exam Committee, 2018-2019.

Additional Selected Professional Experience

Contractor, Alaska Fisheries Science Center, National Marine Fisheries Service, National Oceanic and Atmospheric Administration, June 2014 - October 2015

Research Assistant, Professor James Sanchirico, Department of Environmental Science and Policy, University of California, Davis, January 2014 - December 2014

Research Assistant, Resources for the Future, Washington, DC, March 2011 - September 2011

Researcher, US Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation, Washington DC, June 2009 - September 2009

Staff Scientist, Shaw Environmental and Infrastructure, Concord, CA 2007-2008

Intern, US Forest Service, Nevada City, CA June 2006 - August 2006