

JOSHUA K. ABBOTT

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EDUCATION

Ph.D. Agricultural and Resource Economics, University of California, Davis
March, 2007

Fields: Environmental and Resource Economics, Econometrics

Dissertation Title: *Spatial and Strategic Aspects of Fisheries Bycatch*

Committee: James E. Wilen (chair), David F. Layton, Douglas M.
Larson, Aaron Smith

Master of Arts Economics, University of Washington
June, 2002

Certificate Environmental Management, University of Washington
June, 2002

Bachelor of Economics, Baylor University
Business May, 2000 (Summa cum Laude)
Administration

PROFESSIONAL POSITIONS

2007 – present Assistant Professor
School of Sustainability
Arizona State University

2002 – 2007 Post Graduate Researcher; Research Assistant; Teaching Assistant
University of California, Davis

2001 – 2002 Research Assistant
University of Washington

1999 – 2000 Economic Analyst
The Perryman Group, Waco, TX

PUBLICATIONS

“Regulation of Fisheries Bycatch with Common-Pool Output Quotas.” (with James E. Wilen). *Journal of Environmental Economics and Management* 57 (2009): 195-204.

“Designing ITQ Programs for Commercial Recreational Fishing.” (with James E. Wilen and Vishwanie Maharaj). *Marine Policy* 33 (2009): 766-774.

“Rent Dissipation and Efficient Rationalization in For-Hire Recreational Fishing.” (with James E. Wilen). In press *Journal of Environmental Economics and Management*.

“Voluntary Cooperation in the Commons? Evaluating Sea State with Reduced Form and Structural Models.” (with James E. Wilen). In press *Land Economics*.

PAPERS UNDER REVIEW

“Dissecting the Tragedy: A Spatial Model of Behavior in the Commons.” (with James E. Wilen). In review.

“An Embarrassment of Riches: Confronting Omitted Variable Bias and Multi-Scale Capitalization in Hedonic Price Models.” (with H. Allen Klaiber). In review.

WORKING PAPERS

“Employment and Remuneration Effects in IFQ Fisheries: The Case of the Deadliest Catch.” (with Brian Garber-Yonts and James E. Wilen).

“Evaluating the Success of Bycatch Reduction Efforts: Is More Information Enough?” (with Alan Haynie).

RESEARCH FUNDING

“The Joint Modeling of Seasonal Recreational Demand, Entry-Exit Decisions, and Fish Stocks over Time with an Application to Great Lakes Sportfishing.” (co-PI with Eli Fenichel, PI). NOAA Saltonstall-Kennedy Grant Program. \$214,000. 2009-2011.

“An Assessment of the Effects of Crab Rationalization on Fleet Behavior, Input Usage and Costs.” (PI with Ronald Felthoven, co-PI). Alaska Fisheries Science Center, National Marine Fisheries Service, NOAA. \$45,135. 2008-2010.

“Assessing Prohibited Species Bycatch Avoidance Behaviors and Outcomes in the Amendment 80 Fisheries of the North Pacific.” (PI with Alan Haynie, co-PI). Alaska Fisheries Science Center, National Marine Fisheries Service, NOAA. \$29,000. 2009-2011.

SUBMITTED PROPOSALS

“Integrating Multispecies Bycatch in Economic Models of Fleet Dynamics to Assess Fisheries Management Strategies for Bycatch Mitigation.” (co-PI with Rebecca Lewison, PI and Janet Franklin, co-PI). NOAA Marine Fisheries Initiative. \$274,000.

“Collaborative Research: Land and Water Use Decision-Making and Ecosystem Services along a Southwestern Socio-Ecological Gradient.” (co-PI with Christopher Boone, PI). NSF Urban Long-Term Research Area Exploratory Awards.

“Mapping Bycatch Bioeconomics: Incorporating Spatial, Ecological and Economic Analyses into Calculations of Fishing Efficiency.” (co-PI with Rebecca Lewison, PI and Janet Franklin, co-PI). National Science Foundation Dynamics of Coupled Human and Natural Systems. Not funded.

TEACHING

SOS 511: Research Methods in Sustainability (graduate, ASU, F2007-F2008)

SOS 598: Statistical Modeling for Sustainability (graduate, ASU, S2008-S2009)

SOS 512: Sustainable Resource Allocation (graduate, ASU, S2008-S2009)

UNIVERSITY SERVICE

School of Sustainability Curriculum Committee, 2008 – present

School of Sustainability Undergraduate Curriculum Committee, 2007

SELECTED CONFERENCE PRESENTATIONS AND INVITED SEMINARS

- 2009 Forum of the North American Association of Fisheries Economists, Newport, RI
- 2008 American Agricultural Economics Association, Orlando, FL
International Institute of Fisheries Economics and Trade, Nha Trang, Vietnam
Association of Environmental and Resource Economists Session on “New Fisheries Bioeconomics”, American Agricultural Economics Association Annual Meeting
Orlando, FL
University of Washington, Department of Economics
University of Washington, School of Aquatic and Fisheries Science
Arizona State University, School of Sustainability
Arizona State University, Center for the Study of Institutional Diversity
- 2007 American Fisheries Society, Organized Symposium on “Models of Fisher Behavior”,
San Francisco, CA
Forum of the North American Association of Fisheries Economists, Merida, Mexico
Arizona State University, School of Sustainability
- 2006 University of California, San Diego, Department of Economics
Oregon State University, Department of Agricultural and Resource Economics
International Institute of Fisheries Economics and Trade, Portsmouth, UK
NOAA Fisheries/Sea Grant Fellowship in Population Dynamics and Marine Economics
Symposium, San Diego, CA
American Agricultural Economics Association, Long Beach, CA
University of California, Davis, Department of Agricultural and Resource Economics
- 2005 8th Occasional California Workshop on Environmental and Resource Economics,
University of California, Santa Barbara
NOAA Fisheries/Sea Grant Fellowship in Population Dynamics and Marine Economics
Symposium, Seattle, WA

Forum of the North American Association of Fisheries Economists, Vancouver, Canada

2004 NOAA Fisheries Economics and Social Sciences Workshop, New Orleans, LA
American Agricultural Economics Association, Denver, CO

CONSULTING

“The Alaska Bering Sea-Aleutian Islands Crab Fisheries.” in *Economic Analysis of the Impacts of Catch Shares on Fisheries Employment and Income* (with Robert Trumble, Darrell Brannan, Gordon Gislason, Gunnar Knapp and Jill Swasey) Report to Environmental Defense Fund. September 2009.

“A Bioeconomic Model of Recreational Fishing in the For-Hire Sector.” (with James Wilen) Report to Environmental Defense. 2007.

“Estimates of the Maximum Potential Economic Impacts of Marine Reserve Networks on the Central California Coast.” (with James Wilen) Report to the California Marine Life Protection Act Initiative. 2006.

“An Empirical Assessment of Relative Importance Indicators for Fisheries off the Central Coast of California with Specific Application to the Market Squid Fishery.” (with James Wilen) Report to the California Marine Life Protection Act Initiative. 2006.

AWARDS

North American Association of Fisheries Economists and International Institute of Fisheries Economics and Trade, Best Student Paper Award 2009, for “Rent Dissipation and Efficient Rationalization in For-Hire Recreational Fishing”.
Graduate Fellowship in Marine Resource Economics (2 year, full support), National Sea Grant College and National Oceanic and Atmospheric Administration, 2004
Sea Grant Traineeship 2003-2004
Two-Year Guaranteed Assistantship, University of California, Davis, 2002-2004.
Non-Resident Tuition Block Grant, University of California, Davis, 2002/2003.
Outstanding Student in Economics, Baylor University, 1999-2000.

PROFESSIONAL ACTIVITIES/SERVICE

Member: American Economic Association
Association of Environmental and Resource Economists
International Institute for Fisheries Economics and Trade
North American Association of Fisheries Economists

Reviewer for: *Canadian Journal of Fisheries and Aquatic Sciences*
Ecology and Society
Journal of Environmental Economics and Management
Ecological Economics
Marine Resource Economics
North American Journal of Fisheries Management
Southern Economic Journal
MARFIN Grant Program (National Oceanic and Atmospheric Administration)
Rhode Island Sea Grant