

Eric P. English
Bear Peak Economics
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Areas of Qualification

Environmental and natural resource economics, econometrics and statistics, survey development, applied microeconomics and finance, natural resource damages policy and strategy

Employment History

- ▶ Principal, Bear Peak Economics, Boulder, CO, 2013–present
- ▶ Managing Economist, Stratus Consulting Inc., Boulder, CO, 2007–2013
- ▶ Economist, National Oceanic and Atmospheric Administration (NOAA), Silver Spring, MD, 1999–2007
- ▶ Economist, KPMG, New York, NY, 1998–1999
- ▶ Consulting Editor, *Microeconomics and Behavior* by Robert Frank, 3rd Edition, McGraw-Hill, Boston, MA, 1996
- ▶ Senior Associate, Management and Economic Strategy Analysis, New York, NY, 1995
- ▶ Research Associate, Putnam, Hayes and Bartlett, Inc., Washington, DC, 1989–1992
- ▶ Reporter, Middlesex News, Framingham, MA, 1988
- ▶ Translator, ETC Inc., Vienna, Austria, 1987–1988
- ▶ Reporter, Williamstown Advocate, Williamstown, MA, 1986–1987

Education

- ▶ Cornell University, PhD, Economics, 2009
- ▶ Cornell University, MA, Public Administration, 1994
- ▶ Williams College, BA, Classics, 1986

Professional Qualifications

Environmental and natural resource economics: Dr. English has conducted numerous economic valuation studies for damages associated with oil spills and chemical releases, services provided by habitat restoration to humans and the natural environment, and value derived from the recreational and commercial use of natural resources. During the last 15 years he has participated in most major studies of recreation impacts under the Oil Pollution Act and Superfund law, and has developed many of the methods currently in use for natural resource damage assessments of recreation losses. Dr. English has published and lectured on the econometrics and theory of recreation choice and compensation for natural resource impacts.

Econometrics and statistics: Dr. English has analyzed time-series economic data and discrete-choice survey data using linear and Poisson regressions, logit and probit models, and simulation methods for mixed logit. He has developed sample designs and statistical weighting procedures for mail, telephone, and onsite intercept surveys, using systematic, stratified and PPS designs and corrections for choice-based sampling.

Survey development: Dr. English has conducted numerous surveys for natural resource valuation, including surveys about recreation choices, the human impact of environmental disturbances, and preferences for environmental protection. He has developed survey content and questions, implemented focus groups to clarify survey objectives, and refined survey instruments through in-person interviews and pilot studies.

Applied microeconomics and finance: Dr. English has litigation-support experience with a variety of economic and financial topics. He has developed models of product-demand forecasting and profitability, used methods for asset pricing and capital budgeting, and drafted expert testimony for antitrust, predatory pricing, and patent-infringement cases.

Natural resource damages policy and strategy: Dr. English has developed natural resource damage estimates for numerous federal, state, and tribal clients and has negotiated damage settlements with responsible parties. He has presented his work at numerous conferences devoted to improving damage assessment methods and enhancing cooperation among trustee groups and industry representatives. Dr. English was NOAA's lead economist for damage assessments on the Atlantic coast, and served as U.S. delegate to the International Maritime Organization to develop damage assessment guidance for member nations.

Projects and Clients

Natural resource damage assessment of impacts to recreation from the 2010 Deepwater Horizon oil spill in the Gulf of Mexico (ongoing for NOAA).

Combined stated/revealed preference study of impacts to recreational fishing from dioxin contamination in a Michigan river system (ongoing for the Michigan Department of Environmental Quality, U.S. Fish and Wildlife Service, and others).

Contingent-behavior study of impacts to outdoor recreation from contaminated soil in several Michigan parks (ongoing for the Michigan Department of Environmental Quality, U.S. Fish and Wildlife Service, and others).

Valuation of climate change impacts to coldwater and warmwater recreational fishing in rivers of the United States (completed in 2013 for the U.S. Environmental Protection Agency).

Valuation of climate-change impacts to key affected ecosystem services in the United States for use in an integrated climate assessment model (completed in 2013 for the U.S. Environmental Protection Agency).

Estimation of public losses from an alleged breach of contract, in which a mining company failed to convert an abandoned quarry into a public park (completed in 2012 for the East Bay Regional Park District, Oakland, CA).

Valuation of recreational and ecological losses from dioxin contamination in the Passaic River and Newark Bay, New Jersey (completed in 2010 for the State of New Jersey through a private law firm).

Valuation of impacts to marine recreation in the San Francisco Bay Area from the 2007 Cosco Busan oil spill (completed in 2010 for the San Francisco City Attorney's Office and others).

Development of technical methods for assessing ecological losses under the Environmental Liability Directive of the European Union (completed in 2010 for private clients in Portugal, Poland, and elsewhere).

Synthesis of ecological and economic methods to determine compensatory restoration for environmental incidents (completed in 2009 for the Coastal Response Research Center, University of New Hampshire).

Valuation of impacts to fishing and boating following the 2006 Citgo refinery oil spill in Calcasieu Lake, Louisiana (completed in 2007 while at NOAA, for NOAA, the Louisiana Department of Environmental Quality, and others).

Valuation of impacts to fishing and boating following the 2004 Athos I oil spill on the Delaware River near Philadelphia (completed in 2007 while at NOAA, for NOAA, the Commonwealth of Pennsylvania, and others).

Valuation of impacts to recreational shellfishing, beach use, and boating following the 2003 Bouchard 120 oil spill in Buzzards Bay, Massachusetts (completed in 2007 while at NOAA, for NOAA, the Massachusetts Department of Environmental Protection, and others).

Valuation of impacts to recreational shrimping from the 2002 Ever Reach oil spill in Charleston Harbor (completed in 2004 while at NOAA, for NOAA, the South Carolina Department of Natural Resources, and others).

Analysis of fair market value for a federal permit to route fiber optic cables through National Marine Sanctuaries (completed in 2002 while at NOAA, for NOAA's National Marine Sanctuary Program).

Valuation of impacts to boating, beach use, and recreational fishing from the 2000 Chalk Point oil spill in Chesapeake Bay (completed in 2001 while at NOAA, for NOAA, the Maryland Department of the Environment, and others).

Demand-forecasting analysis to calculate lost profits from an alleged trademark infringement in the sale of medical gloves (completed in 1999 while at KPMG).

Hedonic-price analysis of the value of fax machine features for the calculation of patent-infringement damages (completed in 1995 while at Management and Economic Strategy Analysis).

Publications

Lane, D., R. Jones, D. Mills, C. Wobus, R. Ready, R. Buddemeier, E. English, J. Martinich, K. Shouse, and H. Hosterman. 2014. Climate change impacts on freshwater fish, coral reefs, and related ecosystem services in the United States. Published in a special issue of *Climatic Change*, titled *A Multi-Model Framework to Achieve Consistent Evaluation of Climate Change Impacts in the United States*.

Jones, R.W., C. Travers, C. Rodgers, B. Lazar, E. English, J. Lipton, K. Strzepek, J. Vogel, and J. Martinich. 2013. Climate change impacts on freshwater recreational fishing in the United States. *Mitigation and Adaptation Strategies for Global Change* 18(6): 731-758.

English, E. 2010. Annual fees and recreation choice. *American Journal of Agricultural Economics* 92(4): 1103-1113.

Amato, E., J. Moore, E. Clonan, K. Colcomb, C. Della Mia, E. English, C. Farchi, S. Grenon, D. Helton, S. Huisman, A. Lane, M. Meza, H. Parker, M. Penna, K. Purnell, N. Quinn, J. Roberts, K. Stanzel, and C. Gil Villar. 2009. *IMO/UNEP Guidance Manual on the Assessment and Restoration of Environmental Damage Following Marine Oil Spills*. International Maritime Organization, London.

English, E., C.H. Peterson, and C.M. Voss. 2009. *Ecology and Economics of Compensatory Restoration*. Manuscript prepared for the Coastal Response Research Center at the University of New Hampshire, Durham.

English, E. 2008. Recreation nonparticipation as choice behavior rather than statistical outcome. *American Journal of Agricultural Economics* 90(1): 186-196.

Presentations

English, E. 2013. A Utility Theory for Logit Recreation Models. Presented at the International Choice Modeling Conference, Sydney, Australia. July 3-5.

English, E. 2012. A Utility Theory for Logit Recreation Models. Presented at the W2133 Conference: Benefits and Costs of Resource Policies Affecting Public and Private Lands, Park City, UT. February 22–24.

English, E. 2011. Valuing Oil Spill Impacts in Marine Environments: The United States Experience and the 2007 Oil Spill in San Francisco Bay. Invited speaker at the 3rd Annual Beaufort Marine Socio-economic Workshop, National University of Ireland, Galway, Ireland. November 11.

English, E. and K. Ritter. 2011. Economic Challenges in Tribal NRDA. Invited speaker at the Tribal Natural Resource Damages, Assessment, and Restoration Conference, Mount Pleasant, MI. July 19–21.

English, E. 2011. A Utility Theory for Logit Recreation Models. Presented at the 18th Annual Conference of the European Association of Environmental and Resource Economists, Rome, Italy. June 29–July 2.

English, E. 2010. Oil Spill Impacts to Marine Recreation and the Cosco Busan Incident. Invited speaker at the 31st Annual Meeting of the Society of Environmental Toxicology and Chemistry, Portland, OR. November 7–11.

English, E. 2010. Oil Spill Impacts to Marine Recreation and the Cosco Busan Incident. Presented at The Bar Association of San Francisco: Pacific Admiralty Seminar 2010, San Francisco. October 7.

Jones, R., J. Martinich, B. Lazar, C. Travers, C. Rogers, and E. English. 2010. Climate Change Impacts on Freshwater Recreational Fishing in the United States. 3rd USGS Modeling Conference, Broomfield, CO. June 7–11.

English, E. 2009. Economic Theory and Methods in Natural Resource Damage Assessment. Invited presentation at the Mid-Atlantic Joint Assessment Team, hosted at the National Pollution Funds Center, Arlington, VA. April 30.

English, E. 2009. Valuing the Environment for Policy and Litigation. Invited lecturer in a course on environmental studies, University of Colorado, Boulder. March 19.

English, E. 2008. Modeling Recreation Choice with Annual Fees and Per-trip Prices. Presented at the 16th Annual Conference of the European Association of Environmental and Resource Economists, Gothenburg, Sweden. June 25–28.

English, E. 2008. A Discrete-Choice Model of Annual License Demand. Presented at the W2133 Conference: Benefits and Costs of Resource Policies Affecting Public and Private Lands, Big Island, HI. February 17–20.

Peterson, C.H., E. English, and C. Voss. 2008. Ecological and Economic Concepts and Methods for Restoration Scaling. Presented as a short course at the 29th Annual Meeting of the Society of Environmental Toxicology and Chemistry, Tampa, FL. November 16–20.

English, E. 2007. Modeling Changes in the Number of Recreation Participants. Presented at the 13th International Symposium on Society and Resource Management, Park City, UT. June 17–21.

English, E. 2005. Restoration Scaling Methods for Natural Resource Damage Assessment. Invited speaker at the Northeast Regional Meeting of the Society of Environmental Toxicology and Chemistry, Bordentown, NJ. November 3.

English, E. 2004. Assessing Damages from Oil Spills in Marine Environments. Invited speaker at the Summer Student Research Program, Woods Hole Marine Biological Laboratory, Woods Hole, MA. August 27.

English, E. and D. Chapman. 2004. The Role of Value and Economic Efficiency in Habitat Equivalency Analysis. Presented at the 25th Annual Meeting of the Society of Environmental Toxicology and Chemistry, Portland, OR. November 14–18.

English, E. 2001. Liability and Damages for Oil Spills under the U.S. Oil Pollution Act. Invited speaker to foreign delegates from Lagos, Nigeria, Resources for the Future, Washington, DC. June 13.

Awards

- ▶ Silver Medal award from the Department of Commerce for outstanding contributions to the 2000 Chalk Point Oil Spill Assessment (2004)
- ▶ Williams College Benedict Prize for excellence in the study of Latin (1986)
- ▶ National Merit Scholar (1982)

Professional Affiliations

- ▶ Agricultural and Applied Economics Association (AAEA)
- ▶ American Economic Association (AEA)
- ▶ European Association of Environmental and Resource Economists (EAERE)