

American Whitewater
Economics of Whitewater Recreation
Annotated Bibliography

*Recommended

Books

*-Loomis, J. and Walsh, R. Recreation Economic Decisions: Comparing Benefits and Costs

>This book contains various chapters examining management decision making utilizing the economics of natural resource recreation

*-Ward, K. and Duffield, J. Natural Resource Damages: Law and Economics

>Assesses the legal and economic aspects of natural resource damages

-Stiglitz, J. Principles of Microeconomics

>A good introduction to the terms and issues surrounding microeconomic decision making

-Freeman, A. The Measurement of Environmental and Resource Values: Theory and Methods

>Good book on natural resource economics. Examines resource values and benefits, nonuse values, recreation uses, policy, etc.

-Tietenberg, T. Environmental and Natural Resource Economics

>A wide range of topics surrounding Environmental Economics are covered. Great book that touches on most issues.

-Power, T. Environmental Protection and Economic Well-Being: The Economic Pursuit of Quality

>Very similar to Tietenberg's book on environmental economics. Covers many issues. Chapter 5 has nice description of different ways one values the environment.

Publications

-Marcus, D. FERC's economic analysis of hydro projects: A Review of policy and practice since the Mead decision Presented by Hydropower Reform Coalition

>A good review/critique of FERC's economic analysis methodology

-Presented by FERC. Workshop on Evaluating the Economics of Hydroelectric Projects at FERC Feb. 3, 1998

>Looks at economic value of hydropower. Cost/benefit analysis. Lots of figures

- Presented by Center for Economic Development An Economic Profile of Kayak/Canoes Users Feb. 1993
 - >Provides demographic and socioeconomic profile of person's attending 1992 Inland Sea Symposium. Addresses economic impact of recreation users on Lake Superior

- Presented by Deloitte & Touche LLP and Colorado Business Committee for the Arts. The Impact of the Arts in Metropolitan Denver. In Business of the Arts
 - >Quantifies and describes the economic and social impacts of the arts.

- *-Presented by Michigan State University. Economic Impact Reports and Bulletins <http://www.msu.edu/course/prr/844/ECReportLst.html>
 - >excellent web site containing detailed information surrounding a tourism economic impact analysis . Plus, descriptions of MI-REC model.

- Peter Hart Research Associates. Recreation Today: Trends and Statistics November, 1991
 - >Results from four national surveys concerning American's recreational activities.

- Harrison, J. Paddlesports: Market Overview Published by Canoe & Kayak Magazine.
 - >results from market research done on paddlesports; What, who, and where

- Presented by ORCA and SGMA. Human Powered Outdoor Recreation: State of the Industry Report
 - >Describes what human powered recreation is and states the economic benefits.

- Presented by ORCA and SGMA. Human Powered Outdoor Recreation: State of the Industry Report 1997
 - >Based on national surveys. Discusses participation. Who, Where, and How Much?

- *-The American River-Worth more than A Dam: A Study of the Economic Value of the American River
 - >The recreation value of the North and Middle Fork of the American River is analyzed using economic methods. Stresses the importance of placing a dollar value on recreation. A lot of great tables and figures showing the increasing contribution of recreation.

- *-South Fork of the American Economic Data Draft Management Plan
 - >Environmental Impact Study focusing on visitor expenditures. Categorizes visitors

-English, D., Bowker, J., Bergstrom, J., and Cordell, H. Estimating the Economic Impacts of Recreation Response to Resource Management Alternatives.

>Reports the economic impact studies used on reservoirs in North Carolina and California. How do management alternatives affect level of recreation visitation and spending?

-Bergstrom, J., Cordell, H., and Langner, L. RPA Assessment of Outdoor Recreation: Past, Current, and Future Directions

>reviews outdoor recreation demand and supply analysis for RPA assessments

-National Wildlife Federation Wet, Wild, and Profitable: A Report on the Economic Water-Based Recreation in Vermont

>Dissects the relationship between water quality and the economy. Looks at the contribution of all forms of water-based recreation and how it can influence policy decisions

*-National Park Service Economic Impacts of Protecting River, Trails and Greenway Corridors

>A resource book addressing various issues surrounding natural resource economics. To include but not limited to: benefit estimation, estimating the effects of spending, tourism, resident spending, and commercial uses

Papers

-Moss, D. FERC's Recreation Access Policies Aug 7, 1989

>A memorandum describing regulations surrounding public access to recreation sites at nonfederal hydroelectric plants licensed by FERC.

-Fargo, J. Deciding Competing Resource Use Issues at FERC- From Theory to Practice

>As a member of the Commission Staff, Fargo describes the theories and methods FERC uses to choose among competing users of waterways. He includes examples

*-English, D. Economic Impact Transfer Strategies

>Provides instruction, for various situations, on how to extrapolate data and results from Economic Impact Studies

-English, D. and Bowker, J. Economic Impacts of Guided Whitewater Rafting: A Study of Five Rivers

>Presents the estimated economic impacts of visitors to specific regions. Describes use of multipliers and gives estimated output.

-English, D and Bowker, J Various surveys used to capture visitor spending in a specific region.

-English, D and Bowker, J Sensitivity of Whitewater Rafting Consumers Surplus to Pecuniary Travel Cost Specification

>"Estimates of per trip consumer surplus are developed for a zonal travel cost model for outfitted rafting on the Chattooga River"

-English, D., Bowker, J., and Donovan, J. Toward a Value for Guided Rafting on Southern Rivers

>A study examining per trip consumer surplus associated with guided whitewater rafting. Uses household recreation demand functions.

-Johnson, R. and Moore, E. Tourism Impact Estimation

>Economic impact of whitewater recreation users is estimated. Uses IMPLAN's input/output model and primary expenditure data.

*-Rasker, R. A New Look at Old Vistas: The Economic Role of Environmental Quality in Western Public Lands

>Describes the transition of rural economies from resource-based (extraction of goods) to use-based economies (service sector/knowledge-based)

Articles

-Castle, E. Putting a Price Tag on Nature: Problems and Techniques *Montana Business Quarterly*, Summer 1995

>Examines methods used to measure the economic value of the environment. Addresses Travel Cost Method and Contingent Valuation

-Smith, K. Nonmarket Valuation of Environmental Resources *Land Economics*, Feb 1993

>Analyzes direct and indirect methods of nonmarket valuation of environmental resources. Explains contingent valuation surveys, travel cost recreation demand model, household production function model, and hedonic property valuation

-Brooke, J. Battle of What May Be the West's Last Big Dam. In the New York Times Sept. 20, 1997

>"Economics vs. Environment" Environmentalists fight with tribes and others over a water diversion project on the Animas River in Durango, Co.

-Chichilnisky, G. and Heal, G. Economic Returns from the Biosphere *Nature* Feb 12, 1998

>Investing in the environment. A more green economy as companies begin to see the economic benefit of improving ecosystems and the quality of nature

Duffield, J. 1980. "Auburn Dam: A Case Study of Water Policy and Economics," *Water Resources Bulletin*, Vol. 16, No. 2. April 1980.

"Recreation Benefits of Instream Flow: Application to Montana's Big Hole and Bitterroot Rivers". *Water Resources Research*. Vol. 28. No. 9. Pp. 2169-2181. Duffield, Neher, Brown (September, 1992).