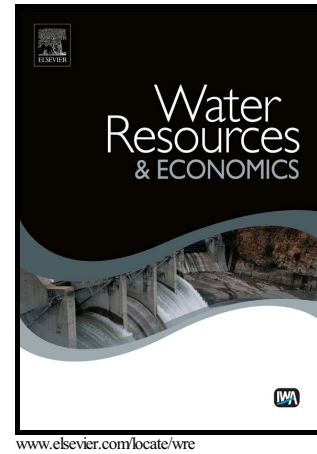


Author's Accepted Manuscript

Economic Valuation of River Restoration: An Analysis of the Valuation Literature and its Uses in Decision-Making

John C. Bergstrom, Richard B. Russell, John B. Loomis



PII: S2212-4284(16)30146-3
DOI: <http://dx.doi.org/10.1016/j.wre.2016.12.001>
Reference: WRE84

To appear in: *Water Resources and Economics*

Received date: 25 January 2016
Revised date: 21 September 2016
Accepted date: 15 December 2016

Cite this article as: John C. Bergstrom, Richard B. Russell and John B. Loomis Economic Valuation of River Restoration: An Analysis of the Valuation Literature and its Uses in Decision-Making, *Water Resources and Economics* <http://dx.doi.org/10.1016/j.wre.2016.12.001>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and a review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain

**Economic Valuation of River Restoration:
An Analysis of the Valuation Literature and its Uses in Decision-Making**

Abstract

This paper provides an analysis of existing non-market valuations of river restoration primarily in the United States and Europe. The goals of the river restoration in terms of ecosystem services are identified, as are the valuation methods used. More than two-thirds of the 38 river restorations reviewed sought to restore and protect fish populations, including in many cases threatened or endangered species. River restorations were also frequently undertaken to improve wildlife habitat, and water quality for boating. In terms of the use of non-market valuations in decision making, six of 38 restorations reviewed involved benefit-cost analyses or environmental assessments or equivalent decision documents. While both revealed preference and stated preference methods were used for valuing river restorations, the majority of restoration valuations (27 out of 38, about 70%) utilized stated preference methods such as the contingent valuation method (CVM) and choice experiments (CE). Annual willingness-to-pay per household estimated from the stated preference methods appear logically and positively related to the miles of river restored demonstrating weak scope.

Keywords: river restoration, ecosystem goods and services, economic valuation, revealed preference, stated preference, decision-making.

Acknowledgements. Support for this research was provided by the U.S. Department of Agriculture Regional Research Project W-3133 (Benefits and Costs of Natural Resources Policies Affecting Ecosystem Services on Public and Private Lands) through the Colorado State University and University of Georgia Agricultural Experiment Stations.

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات