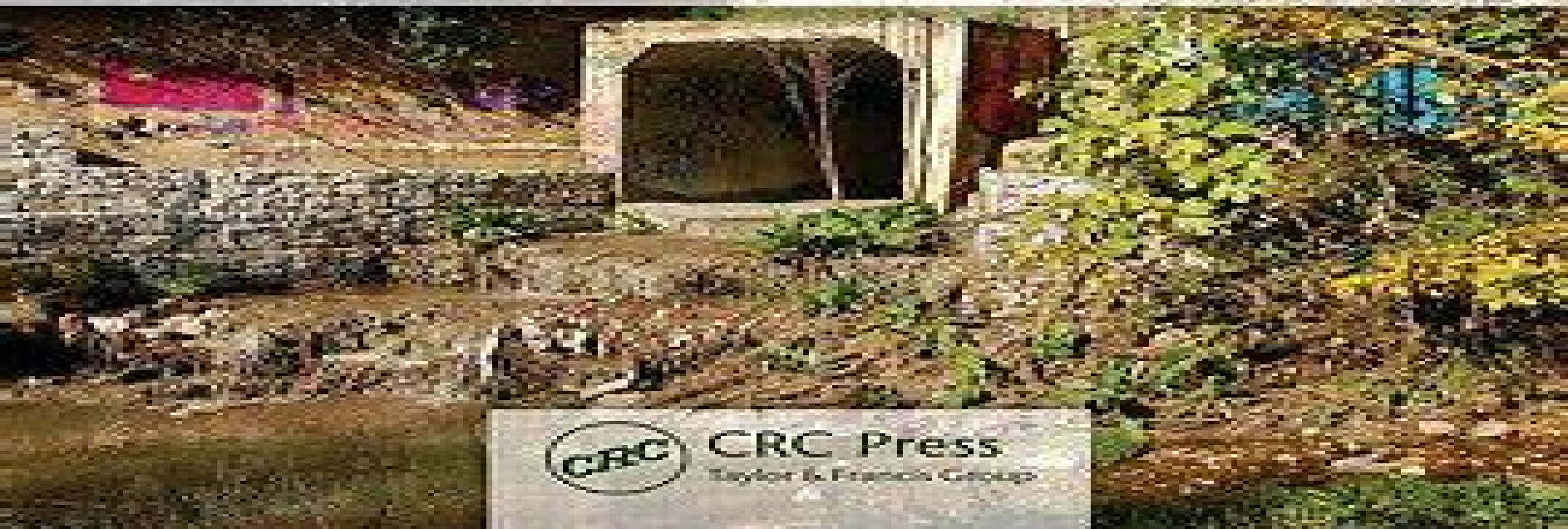




Economic Incentives *for* **STORMWATER CONTROL**

Edited By
Hale W. Thurston



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Economic Incentives For Stormwater Control Ecological Economics

**Ashok Sharma, Ted Gardner, Don
Begbie**



Economic Incentives For Stormwater Control Ecological Economics:

Economic Incentives for Stormwater Control Hale W. Thurston, 2011-08-03 Dealing with stormwater runoff in urban areas is a problem that is getting bigger and more expensive As we cover porous surfaces with impervious structures commercial buildings parking lots roads and houses finding places for rainwater and snowmelt to soak in becomes harder Addressing a huge knowledge gap from a policy perspective this volume focuses on the economic tools available for stormwater runoff control It addresses the true costs and benefits of stormwater management practices and examines the incentives that can be used to encourage their adoption The book provides case studies demonstrating the application of various incentives such as tradable allowances and fees with rebate It also presents the theory behind the different mechanisms used and illustrates successes and potential obstacles to implementation The contributors are primarily concerned with the sociodemographic and economic aspects of people s participation in stormwater runoff control

Economic Incentives for Stormwater Control Hale W. Thurston, 2011-08-03 Dealing with stormwater runoff in urban areas is a problem that is getting bigger and more expensive As we cover porous surfaces with impervious structures commercial buildings parking lots roads and houses finding places for rainwater and snowmelt to soak in becomes harder Many landscapers architects planners and others have proposed that the use of green localized management practices such as rain gardens and bio swales may function as well as traditional gray pipes and basins at reducing the effects of stormwater runoff and do so in a way that is more attractive in the landscape and possibly also less expensive To make stormwater management practices work however communities need to know the real costs and policy makers need to give people incentives to adopt the best practices *Economic Incentives for Stormwater Control* addresses the true costs and benefits of stormwater management practices SMPs and examines the incentives that can be used to encourage their adoption Highlighting the economic aspects this practical book offers case studies of the application of various stormwater runoff control policies It also presents the theory behind the different mechanisms used and illustrates successes and potential obstacles to implementation The book covers Efficient use of green SMPs Low impact development LID style new construction Green infrastructure Property prices and incentive mechanisms to encourage homeowners to retain stormwater on their property Legal economic and hydrological issues associated with various incentive mechanisms In lieu fees and cap and trade incentives Primarily concerned with the sociodemographic and economic aspects of people s participation in stormwater runoff control this accessible volume explores opportunities available to municipalities stormwater managers and stakeholder groups to enact sustainable effective stormwater management practices *ICE Handbook of Urban Drainage Practice* Richard Ashley, Brian Smith, Paul Shaffer, Issy Caffoor, 2024-02-16 Written by leading experts *ICE Handbook of Urban Drainage Practice* provides an overview of key challenges opportunities and future directions of urban drainage in a practical accessible way An invaluable tool for local authority engineers environmental engineers drainage design operation engineers

and consultants or contractors *Financing Water Security and Green Growth* Robert C. Brears, 2023-04-15 Financing Water Security and Green Growth offers a comprehensive overview of the innovative financial instruments and approaches available to implement water security and green growth initiatives at various scales and in different contexts Robert C Brears explores the use of a variety of public private and blended finance models to create climate resilient water supplies reduce water energy food nexus pressures encourage water conservation and efficiency and increase water reliability He examines how these methods can decrease the costs and pollution associated with wastewater disposal utilize natural processes to improve water quality manage water quantity by restoring the hydrologic function of the landscape and improve overall water governance The book also provides in depth case studies of the innovative application of financing tools to achieve water security and green growth in various locations of differing climates lifestyles and income levels and identifies best practices **Approaches to Water Sensitive Urban Design** Ashok Sharma, Ted Gardner, Don Begbie, 2018-10-03

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introduces students and practitioners to the economics of managing forests and forest enterprises The book adopts the approach of managerial economics textbooks and applies this to the unique problems and production processes faced by managers of forests and forest enterprises What many future forest and natural resource managers need is to understand what economic information is and how to use it to make better business and management decisions John E Wagner draws on his 30 years of experience teaching and working in the field of forest resource economics to present students with an accessible understanding of the unique production processes and problems faced by forest and other natural resource managers The second edition has been updated to include Expanded discussion of compounding discounting and capital

budgeting as well as an expanded discussion of when to replace a capital asset that has i costs but no direct revenue stream such as a machine ii costs and a direct annual revenue stream such as a solar array or iii costs and a periodic revenue stream illustrated by the forest rotation problem New practical examples to provide students with applications of the concepts being discussed in the text most notably on New Zealand and a Radiata Pine *Pinus radiata* Plantation A brand new chapter that develops business plans for for profit businesses to illustrate how a business plan is derived from the economic information contained within the Architectural Plan for Profit and how it can be used to make business decisions about continuing to operate a business or to start a new business This textbook is an invaluable source of clear and accessible information on forestry economics and management not only for economics students but also for students of other disciplines and those already working in forestry and natural resources

Proceedings of the Symposium on Nonpoint Pollution, 1988 Vladimir Novotny, 1988 **Selected Water Resources Abstracts** ,1991 **Sustainable Practices in the Built Environment** Craig A. Langston, Grace K. C. Ding, 2001 Sustainable Practices in the Built Environment is an important introduction to the subject for senior undergraduate and postgraduate students Given the importance and novelty of the subject professionals in the construction industry will also find the book valuable Jacket Sustainable Practices in the Built Environment Craig Langston, 2008-09-10 Sustainability is a key issue and its impact on the construction industry as one of the major users of the Earth's resources is starting to take hold This book deals with sustainability as it affects the construction industry looking at the techniques and issues which designers engineers planners and construction managers will have to deal with in their day to day activities It covers methods of analysis such as environmental impact assessment and cost benefit analysis as well as topics on design and energy regulation and conservation The book is an important introduction to the subject for senior undergraduate and postgraduate students Given the importance and novelty of the subject professionals in the construction industry will also find the book valuable *Scientific and Technical Aerospace Reports* ,1977 Economics and Contemporary Land Use Policy Robert J. Johnston, Stephen K. Swallow, 2010-09-30 As external forces increase the demand for land conversion communities are increasingly open to policies that encourage conservation of farm and forest lands This interest in conservation notwithstanding the consequences of land use policy and the drivers of land conversions are often unclear One of the first books to deal exclusively with the economics of rural urban sprawl Economics and Contemporary Land Use Policy explores the causes and consequences of rapidly accelerating land conversions in urban fringe areas as well as implications for effective policy responses This book emphasizes the critical role of both spatial and economic ecological interactions in contemporary land use and the importance of a practical policy oriented perspective Chapters illustrate an interaction of conceptual theoretical and empirical approaches to land use policy and highlight advances in policy oriented economics associated with the conservation and development of urban fringe land Issues addressed include 1 the appropriate role of economics in land use policy 2 forecasting and management of land conversion 3 interactions among land use

property values and local taxes and 4 relationships among rural amenities rural character and urban fringe land use policy Economics and Contemporary Land Use Policy is a timely and relevant contribution to the land use policy debate and will prove an essential reference for policymakers at the local state and federal levels It will also be of interest to students academics and anyone with an interest in the practical application of economics to land use issues *Environmental Best Management Practices for Aquaculture* Craig S. Tucker, John A. Hargreaves, 2009-03-03 Published in Cooperation with THE UNITED STATES AQUACULTURE SOCIETY The rapid growth of aquaculture worldwide and domestically has caused concerns over social and environmental impacts Environmental advocacy groups and government regulatory agencies have called for better management to address potentially negative impacts and assure sustainable aquaculture development Best Management Practices BMPs combine sound science common sense economics and site specific management to mitigate or prevent adverse environmental impacts Environmental Best Management Practices for Aquaculture will provide technical guidance to improve the environmental performance of aquaculture This book will be the only comprehensive guide to BMPs for mitigation of environmental impacts of aquaculture in the United States The book addresses development and implementation of BMPs BMPs for specific aquaculture production systems and the economics of implementing best management practices Written by internationally recognized experts in environmental management and aquaculture from academia government and non governmental organizations this book will be a valuable reference for innovative producers policy makers regulators research scientists and students **Selected Water Resources Abstracts** ,1991 EPA Journal ,1979 Water Resources Research Catalog ,1974 **Cumulative Effects Assessment and Regional Planning in Southern Ontario** Pamela M. Hubbard, Canadian Environmental Assessment Research Council, 1990 **Environment Abstracts** ,1985 **Environment Abstracts Annual 1991** Bowker Editorial Staff, R R Bowker Publishing, Bowker, 1992-03

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