

11. Environmental Port Management: Dredging Brazilian Ports – An Example of the Port of Rio Grande
12. Miami River Dredging for Sustainability of a Unique Riverine Environment and an Important Marine Industry
13. Channel Deepening in the Port of New York and New Jersey - Utility Relocations and Removals
14. Optimizing the Design Using Minimizing Cost During the Life Cycle of a Dredge Tool
15. Supporting a Vision: Redeveloping the Port of Bellingham Waterfront
16. Dredging Effects on Seagrasses: Case Studies from New England and Florida
17. Important Factors in Specifying and Contracting Environmental Dredging Projects and Project Examples
18. Onondaga Lake Sediment Remediation – Dredging and Capping Alternatives
19. Water Quality Monitoring During Capping at the Pacific Sound Resources Superfund Site, Marine Sediments Operable Unit, Seattle, Washington
20. Contaminated Sediment Capping, Propwash Modeling and Application

It is difficult to select papers to highlight, but it is helpful to the reader to have some sense of a representative number of papers. In the case of the Texas A & M papers, it is appropriate to highlight another in the series of papers concerning the cutting of water saturated sand, by Dr. S. Miedema of the Delft University. Dr. Miedema has published extensively on this subject, and the current paper summarises his named, Final Solution. Likewise the paper by Dr. Randall, *et al.*, "Laboratory Dredge Carriage for Modeling Dredge Operations," is particularly interesting in that it describes the new improvements to the most extensive dredging process test facility in the US.

The WEDA Conference has four papers that discuss aspects of dredge plumes in the aquatic environment. Of particular note is the paper by Kik and Ourker which presents the parameters for selecting the optimum design for trailing hopper dredgers. On the other hand, the international flavor of the conference is demonstrated by Torres and Philomena's paper, which discusses the environmental management of a Brazilian port as related to dredging.

As has become the case for many recent proceedings, the authors have provided key words which enhance the ability to search the proceedings for the key words. These proceedings are in digital

format on a CDROM. The CD contains Acrobat Reader that allows the user to view the entire proceedings which are in portable document format (pdf) which allows navigating through the proceedings easily as well as the ability to find content by textual search. This move towards digital publication rather than traditional print format is quite useful and certainly more economical, both of which enhances the utility of such proceedings. These proceedings uphold the high quality and overall value of the papers presented at these international conferences.

This publication can be obtained from:
Center for Dredging Studies, Ocean Engineering Program, Civil Engineering Department, Texas A&M University College Station, Texas 77843-3136, USA
Email: r-randall@tamu.edu or

Executive Secretary
Western Dredging Association
P.O. Box 5797, Vancouver, WA 98668, USA
Email: weda@juno.com



Atlas of Dutch Water Cities

EDITED BY HAN MEYER, FRANSJE HOOIMEIJER AND ARJAN NIENHUIS

Uitgeverij SUN, Amsterdam, The Netherlands.
ISBN: 90-5875-184-8. 2005. Paperback.
Richly illustrated in colour. 220 pp.
€ 29.50. US\$40.00.

The Netherlands has a rich and internationally renowned tradition when it comes to the relationship between urban development and water engineering. The expertise and knowledge of the laws of water and ingenious technologies have helped the Dutch successfully transform a wet and marshy environment into land suitable for agricultural and urban use.

Water, however, is a surprising and dynamic element of nature, whilst the use and perception of water has also been subject to change throughout the years. This makes the relationship between city and water dynamic one which constantly needs to be determined, designed, and devised.

During the last decade of the twentieth century, the world has been confronted with new and surprising effects of water: a rising sea level, increasingly intense rainfall, and greater differences in the volumes of water produced by rivers. Urban development and growing world population forces us to consider a new relationship between city and water. The question posed by this book is: how can society profit from the rich tradition of the Dutch "Water City"?

The Atlas of Dutch Water Cities illustrates this relationship between urban development and water engineering, and portrays a vast number of projects integrating the infrastructure of waterways and flood defences in architectural concepts. The examples are explained from a civil engineering, landscape, and urban point of view in order to serve as a guide for future developments. The book is well illustrated with many schematic drawings as well as photographs and maps. It is divided into Chapters each ending with an Atlas:

- Time, space and water, a timeline of water management from the year 800 through 2005
- Coast: A dynamic coastal landscape; Urbanisation in the delta; Urbanisation of sand ridges
- River: From resistance to change; River landscapes; Settlements in river regions
- Polder: Land out of water; Cities in wetlands; Morphology and water management.

A pictorial "calendar" or timeline, which is the literal imagination of the first Chapter, is included as a separate brochure.

The Atlas was introduced during the exhibition Hollandse Waterstad (Holland Water City) which opened in the spring of 2005. Both the book and the exhibition were an integral part of the International Architecture Biennale Rotterdam, with the theme 'Flood', organised in May/June 2005. The book was edited by Han Meyer, Fransje Hooimeijer and Arjan Nienhuis, with contributions from Steven van Schuppen, Bianca Stalenberg, Marcel Stive, Frans van de Ven, Huib de Vriend, Han Vrijling and Saskia de Wit. It is the result of a co-operation between the faculties of Architecture and Civil Engineering of

Delft University of Technology, the Netherlands. Available from Uitgeverij Boom / Uitgeverij SUN Prinsengracht 747-751, 1017 JX Amsterdam, The Netherlands Phone: +31 20 622 6107; Fax: +31 20 625 3327 Email: info@uitgeverijboom.nl Internet: www.uitgeverijsun.nl

The New Waterfront, A Worldwide Urban Success Story

BY ANN BREEN AND DICK RIGBY

McGraw-Hill Professional. 224 pages. Illustrations: 177 colour, 186 b/w. ISBN: 0070074542. US\$69.95.

Focusing on large-scale waterfront renewal, the most dynamic area of urban design today, this cutting edge review of award-winning waterfront designs explores the successful redevelopment of oceanfront, lakefront, and riverfront in urban centers around the world. Showcasing more than 100 international projects in full color, this beautifully-produced design survey presents a rich and diverse portfolio of re-development work, including museums, restaurants, historic monuments, parks, housing, government facilities, trade centers, ship terminals, and retail stores. By definition the authors "consider the bay, canal, lake, pond and river, including the man-made, under the generic term 'waterfront'". Water is a fundamental attraction in all cultures and among all peoples from Alaska to Angola to Argentina, and this book makes it clear that well-planned waterfront development has positive social, environmental and historic preservation impacts for urban areas from Malaysia to Manhattan. This book forms a companion to the authors' previous highly praised publication, *Waterfronts: Cities Reclaim Their Edge*. It provides a reach source of ideas, inspiration, and practical design guidance.

The contents are:

- Introduction.
- Major Waterfront Transformations.
- The Commercial Waterfront.
- The Cultural and Educational Waterfront.
- Historic Waterfronts.
- The Recreational Waterfront.
- The Residential Waterfront.
- The Working Waterfront and Transportation.
- Gazetteer.

For further information visit the McGraw Hill website: <http://www.mcgraw-hill.com/>