

Contents

1 Introduction	1
Lawrence A. Baker	
2 The Urban Water Budget	17
Claire Welty	
3 Groundwater in the Urban Environment	29
Peter Shanahan	
4 Urban Infrastructure and Use of Mass Balance Models for Water and Salt	49
Paul Westerhoff and John Crittenden	
5 New Concepts for Managing Urban Pollution	69
Lawrence A. Baker	
6 Streams and Urbanization	93
Derek B. Booth and Brian P. Bledsoe	
7 Urban Water Recreation: Experiences, Place Meanings, and Future Issues	125
Ingrid E. Schneider	
8 Urban Design and Urban Water Ecosystems	141
Kristina Hill	
9 Legal Framework for the Urban Water Environment	171
Robert W. Adler	
10 Institutions Affecting the Urban Water Environment	195
Robert W. Adler	

11 Institutional Structures for Water Management in the Eastern United States 217
Cliff Aichinger

12 Adaptive Water Quantity Management: Designing for Sustainability and Resiliency in Water Scarce Regions 235
Jim Holway

13 Demand Management, Privatization, Water Markets, and Efficient Water Allocation in Our Cities 259
K. William Easter

14 Principles for Managing the Urban Water Environment in the 21st Century 275
Lawrence A. Baker, Peter Shanahan, and Jim Holway

Glossary 291

Index 301