

## FEATURED COLLECTION PAPERS

Issues in Water Quality Trading: Introduction to Featured Collection	
– <i>Matthew T. Heberling</i> .....	1
Point-Nonpoint Trading – Can It Work?	
– <i>Marc O. Ribardo and Jessica Gottlieb</i> .....	5
Rhetoric and Reality of Water Quality Trading and the Potential for Market-like Reform	
– <i>Kurt Stephenson and Leonard Shabman</i> .....	15
A Watershed Approach to Improve Water Quality: Case Study of Clean Water Services' Tualatin River Program	
– <i>Bobby Cochran and Charles Logue</i> .....	29
Sociopolitical Conditions for Successful Water Quality Trading in the South Nation River Watershed, Ontario, Canada	
– <i>Dennis O'Grady</i> .....	39
Optimal Pollution Trading Without Pollution Reductions: A Note	
– <i>Jorge H. García, Matthew T. Heberling, and Hale W. Thurston</i> .....	52
Economic and Ecological Rules for Water Quality Trading	
– <i>Richard D. Horan and James S. Shortle</i> .....	59
ADDITIONAL TECHNICAL PAPERS	
Water Dispatch Model for Middle Route of a South-to-North Water Transfer Project in China	
– <i>Jian-xia Chang, Yi-min Wang, and Qiang Huang</i> .....	70
Methodology for Developing Flood Rule Curves Conditioned on El Niño-Southern Oscillation Classification	
– <i>Se-Yeun Lee, Alan F. Hamlet, Carolyn J. Fitzgerald, and Stephen J. Burges</i> .....	81
Wind-Powered Desalination: An Estimate of Saline Groundwater in the United States	
– <i>James Androwski, Abraham Springer, Thomas Acker, and Mark Manone</i> .....	93
Transboundary Groundwater Policy: Developing Approaches in the Western and Southwestern United States	
– <i>Deborah L. Hathaway</i> .....	103
Using A GIS Model to Identify Internally Drained Areas and Runoff Contribution in a Glaciated Watershed	
– <i>Jacob A. Macholl, Katherine A. Clancy, and Paul M. McGinley</i> .....	114
Simulated Impacts of Three Decadal Climate Variability Phenomena on Water Yields in the Missouri River Basin	
– <i>Vikram M. Mehta, Norman J. Rosenberg, and Katherin Mendoza</i> .....	126
Seasonal Flushing of Pollutant Concentrations and Loads in Urban Stormwater	
– <i>Kenneth C. Schiff and Liesl L. Tiefenthaler</i> .....	136
Alaska's Freshwater Resources: Issues Affecting Local and International Interests	
– <i>Lilian Alessa, Mark Altaweel, Andrew Kliskey, Christopher Bone, William Schnabel, and Kalb Stevenson</i> .....	143

<b>Extent and Channel Morphology of Unmapped Headwater Stream Segments of the Quabbin Watershed, Massachusetts</b>	
– <i>Robert T. Brooks and Elizabeth A. Colburn</i> .....	158
<b>Stage-Discharge Relationships for U-, A-, and W-Weirs in Un-Submerged Flow Conditions</b>	
– <i>Christopher I. Thornton, Anthony M. Meneghetti, Kent Collins, Steven R. Abt, and S. Michael Scurlock</i> ..	169
<b>Assessing the Impact of Areal Precipitation Input on Streamflow Simulations Using the SWAT Model</b>	
– <i>Ilyas Masih, Shreedhar Maskey, Stefan Uhlenbrook, Steven R. Abt, and Vladimir Smakhtin</i> .....	179
<b>TECHNICAL NOTE</b>	
<b>Incorporating Social Context Variables into Paired Watershed Designs to Test Nonpoint Source Program Effectiveness</b>	
– <i>Linda Stalker Prokopy, Z. Asligül Göçmen, Jing Gao, Shorna Broussard Allred, Joseph E. Bonnell, Kenneth Genskow, Alicia Molloy, and Rebeccar Power</i> .....	196
<b>Book Reviews</b> .....	203

---