

Flood Control Operations Based on the Theory of Variable Fuzzy Sets

X.J. Wang · R.H. Zhao · Y.W. Hao 777

Simulation of Runoff and Suspended Sediment Transport Rate in a Basin with Multiple Watersheds

C.-N. Chen · C.-H. Tsai · C.-T. Tsai 793

Determining the Ecological Flow Regime for Existing Reservoir Operation

J.-P. Suen 817

Maturing the New Water Management Paradigm: Progressing from Aspiration to Practice

C. Pahl-Wostl · P. Jeffrey · N. Isendahl · M. Brugnach 837

Assessment of Water Resources Carrying Capacity in Tianjin City of China

X.-m. Song · F.-z. Kong · C.-s. Zhan 857

Designing a Policy Mix and Sequence for Mitigating Agricultural Non-Point Source Pollution in a Water Supply Catchment

B.A. Bryan · J.M. Kandulu 875

Response of an Unconfined Sloping Aquifer to Constant Recharge and Seepage from the Stream of Varying Water Level

R.K. Bansal · S.K. Das 893

Cascade Dam-Induced Hydrological Disturbance and Environmental Impact in the Upper Stream of the Yellow River

W. Ouyang · F. Hao · K. Song · X. Zhang 913

Roles of Levies for Sustainable Domestic Water Consumption

Z. Wu · J. McKay · E. Hemphill 929

Changes in the Coastline and Water Level of the Akşehir and Eber Lakes Between 1975 and 2009

Ü. Yıldırım · S. Erdoğan · M. Uysal 941

Long-Term Runoff Modeling Using Rainfall Forecasts with Application to the Iguazu River Basin

A.G. Evsukoff · B.S.L.P. de Lima · N.F.F. Ebecken 963

Short Duration Rainfall Extremes in Ireland: Influence of Climatic Variability

P.G. Leahy · G. Kiely 987

Dynamic Control of Salt Intrusion in the Mark-Vliet River System, The Netherlands

D.C.M. Augustijn · M. van den Berg · E.P. de Bruine · J.L. Korving 1005

Erosion Risk Mapping Applied to Environmental Zoning

P.T.S. de Oliveira · T.A. Sobrinho · D.B.B. Rodrigues · E. Panachuki 1021

Discharge Coefficient for Trapezoidal Labyrinth Side Weir in Subcritical Flow

M.E. Emiroglu · N. Kaya 1037