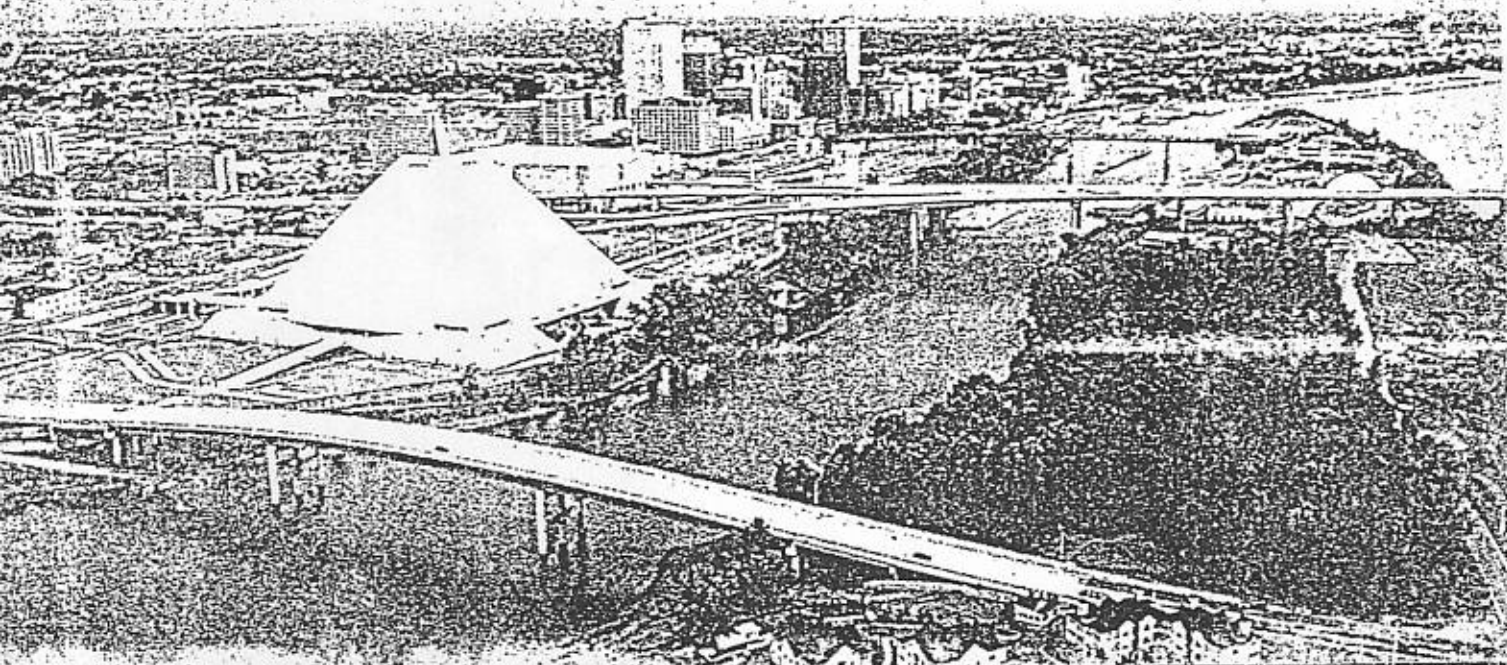




International Water Resources Engineering Conference



With:

Groundwater Management Symposium

Mini-Symposium on Hydrology and Hydraulics of Wetlands

Mini-Symposium on Bridge Scour

Mini-Symposium on Stream Bank Protection

Mini-Symposium on Channel Restoration

The Peabody Memphis Hotel
Memphis, Tennessee
August 3 - 7, 1998



ASCE American Society
of Civil Engineers

Experimental Investigation of a Siphon-Shaft Spillway with Cylindrical Hoods
Necati Agralioglu, Mustafa Sasal, and Sabihattin Karpuz, Istanbul Technical University - Turkey

Development of a Needle Probe for Measurement in Air-Water Flows
A.R. Zarrati, Amir Kabir University of Technology, M.R. Shahverdi, Tarbiat Modarres University, and A. Samavati, Amir Kabir University of Technology - Iran

Performance of a Stilling Basin with Partially Short Walls
A.R. Zarrati, Amir Kabir University of Technology, and S.A. Alehossein, Tarbiat Modarres University - Iran

SESSION C-38

Auburn

WATER QUALITY I: RESERVOIRS

Moderator: Richard French, Desert Research Institute

Water Quality Modeling of Reservoir Using WASP

James Zhou, San Diego County Water Authority

Potential Transport of Mercury Contaminated Sediments in

Reservoirs of the Sudbury River

Gregory H. Nail, David D. Abraham, and Gary P. Morin, U.S. Army Corps of Engineers

Spatial Investigation of Water Quality in Lake Erie Using GIS Methods

Tiao J. Chang and Mark A. Hoover, Ohio University

Current Control System for Lake Water Quality Management

Akira Terakawa and Takashi Fukuwatari, Public Works Research Institute - Japan

9:45 am - 10:15 am

COFFEE BREAK

Venetian

10:15 am - 12:00 pm

CONCURRENT SESSIONS**SESSION BS-12**

Forest

BRIDGE SCOUR FIELD MEASUREMENTS II

Sponsored by Task Committee on Bridge Management for Scour Safety

Moderator: David S. Mueller, U.S. Geological Survey

Hydraulic Evaluation of I-65 in Alabama River Peninsula

Leon Pinkston and John Curry, Alabama Department of Transportation
Field Observations of Drift

Accumulations at Bridges
Timothy H. Diehl, U.S. Geological Survey

Detail Scour Measurements Around A Debris Accumulation

David S. Mueller, U.S. Geological Survey, and Arthur C. Parola, Jr., University of Louisville

Field Confirmation of a Numerical Simulation of Flow Around a Debris Accumulation at a Bridge

Arthur C. Parola, Jr., and Sridhar Kamojkjala, University of Louisville, and David S. Mueller, U.S. Geological Survey

Detecting Bridge Scour by Measuring the Thermal Variation Across the Stream Bed

Charles V. Camp and Shahram Pezeshk, University of Memphis, and Terry D. Leatherwood, Tennessee Department of Transportation

SESSION GW-11

Lansdowne

REGIONAL GROUND WATER ISSUES

Sponsored by Ground Water Institute, University of Memphis and Committee on Ground Water Hydrology

Moderator: James Outlaw, Federal Express Corporation

Shelby County Ground Water Quality Control Board

Larry Thompson, City of Memphis
Eastern Arkansas Ground Water Augmentation

James Outlaw, Federal Express Corporation

Vadose and Ground Water Quality Research on Tilled and No-tilled Paired Watersheds

D. D. Tyler, The University of Tennessee

Shallow/Deep Aquifer Communication
Jennifer Redden, University of Memphis

SESSION HW-9

Barclay

THE ROLE OF HYDROLOGY IN WETLANDS CREATION OR RESTORATION: CASE STUDIES

Sponsored by U.S. Army Corps of Engineers

Moderators: Jim Poppleton, Environmental Consulting and Technology, Inc., and Lisa Roig, U.S. Army Corps of Engineers Waterways Experiment Station

Use of a Constructed Wetland Forest Buffer for Storm Water Quality

Treatment Along an Urban Industrial Tidal Waterfront in Baltimore, Maryland
Joseph A. Berg, EA Engineering Science & Technology, Inc.

Hydrologic Investigations of the Loxahatchee Mitigation Bank
Raymond Walton, WEST Consultants, Inc., Hal Frediana, Foster Wheeler Environmental Corporation, and Doug Shaw, South Florida Water Management District

Hydrologic Design of Constructed Wetlands for Stormwater Management
Tony H.F. Wong, Onash University - Australia

Hydrologic Problems and Solutions Associated with Freshwater Wetland Creation

Mark Brown, Florida Department of Transportation

Restoring Wetland Hydrology in Farmed Wetlands

Doreen Donovan, Environmental Consulting & Technology, Inc.

(GW) Groundwater Symposium

(HW) Mini-Symposium on Hydrology and Hydraulic Wetlands

(SP) Mini-Symposium on Stream Bank Protection

(BS) Mini-Symposium on Bridge Scour

(CR) Mini-Symposium on Channel Restoration