

**The South Florida Water Management District  
Biannual Science Poster Session  
August 4 – 12, 2016**

**Poster Banners, Titles and Presenters**

Poster Number	Category	Text
1	Banner: Title: Presenters:	Piecing together the phosphorus treatment puzzle Evaluation of Phosphorus Treatment in the STAs Jill King, Odi Villapando, Rupesh Bhomia, Mike Jerauld, Delia Ivanoff
3	Banner: Title: Presenters:	Thumbs up for Index Flow Monitoring for Kissimmee River Restoration Streamgauging the Kissimmee River in Support to Ecosystem Restoration Efforts: Flow Rating by Index-Velocity and its Uncertainty M Mayes, J Iudicello, J.A .González
4	Banner: Title: Presenters:	Tree islands are a Spatial Case Pedestal Tree Island Degradation and Loss is Documented Using 3-D Imagery Fred Sklar, Ted Schall, Sue Hohner, Carlos Coronado
5	Banner: Title: Presenters:	Mapping Estuary Conditions on the Fly Surveying Estuary Responses to Freshwater InflowS (SERFIS): An Ecosystem Monitoring Tool For Rapid Assessment Of Estuarine Habitat Response To Freshwater Inflow Management Cassandra R. Thomas, Teresa Coley, Mayra Ashton, Christopher Buzzelli, Peter Doering
6	Banner: Title: Presenters:	Giving Nature a Nudge Using the Decomp Physical Model for Active Marsh Improvement Christa Zweig, Susan Newman, Colin Saunders, Fred Sklar
7	Banner: Title: Presenters:	Resolving water control structure operational issues in a cost-effective manner Utilizing CFD Modeling to Identify Methods for Improving Pump Station Hydraulic Conditions Chris Guth, sean Zhang, Rober Taylor, Matahel Ansar
8	Banner: Title: Presenters:	Seepage Flow: How to See the Unseen Estimating Seepage Using Principal Component Analysis Ceyda Polatel, Filipe Zamorano
9	Banner: Title: Presenters:	Algae makes a difference: PSTA is a key ingredient in improving water quality Investigation of STA-3/4 Periphyton-Based Stormwater Treatment Area (PSTA) Performance, Design, and Operational Factors Manuel F. Zamorano, Tracey Piccone, Michael Chimney, Hongying Zhao, Richard James, Kevin Grace

<b>Poster Number</b>	<b>Category</b>	<b>Text</b>
10	Banner: Reduce, Reuse, Recycle Title: Sediment-Water Exchanges and Internal Nutrient Loading in the St. Lucie Estuary Presenters: Christopher Buzzelli, Peter Doering, Teresa Coley, Brian Howes, Roland Samimy, David Schlesinger	
11	Banner: What's trending in Lake O? Title: Tributary Nutrient Loading Trends in the Lake Okeechobee Watershed Presenters: Joyce Zhang, Patricia Burke, Lucia Baldwin, Cheol Mo, Steven Hill	
12	Banner: Quantifying extreme water levels at coastal structures under different sea level change scenarios Title: Development of future tidal boundary conditions at coastal structures for hydraulic modeling in south Florida Presenters: Tibebe Dessalegne, Jayantha Obeysekera, Luis Cadavid, Sashi Nair and Rodrigo Musalem	
13	Banner: Phosphorus removal – is there a magic wand? Title: Alternative Treatment Technologies Presenters: Kim M. O'Dell, Mike Chimney, Odi Villapando, Orlando Diaz	
14	Banner: Separation issues: Keeping your gate and ADFM apart. Title: Characterization of Biases in Culvert Flow Measurements by Acoustic Doppler Flow Meter (ADFM) due to Gate-Induced Complex Flows and Meter Placement Presenters: J. Buzard, S. Hajimirzaie, J.A .González-Castro	
15	Banner: Dam Breach Analysis Title: Methodology for Earthen Dam Breach Analysis Presenters: Sheng Yue, Emile Damisse, Matahel Ansar	
16	Banner: A planting technique for tree island restoration: It's in the bag. Title: Restoring ghost tree islands by copying a natural process Presenters: Thomas Dreschel, Eric Cline and Steven Hill	
17	Banner: Sediment Removal: Permanent Fix or Temporary Relief? Title: Water Quality Trends and Effects of Sediment Removal in Lake Trafford Presenters: Nenad Iricanin, Steven Hill	
18	Banner: Remote Phosphorus Analysis - Thinking Outside the Box Title: Remote Phosphorus Analysis Contributes to Water Quality Studies Presenters: M. Zhou, D. Struve, R. Walker, J. Nichols, M. Josan	
19	Banner: How much water goes to the IRL? Title: Impact of Lake Okeechobee Releases on the Southern Indian River Lagoon Presenters: Detong Sun	

<b>Poster Number</b>	<b>Category</b>	<b>Text</b>
20	Banner: Title: Presenters:	Does sampling need to go with the flow? Using Time-Proportional Samplers to Derive Flow-Weighted Means and Improve Reliability and Cost-effectiveness in the Process Peter Rawlik
21	Banner: Title: Presenters:	Water management influences dissolved oxygen changes in the Kissimmee River. Dissolved Oxygen Dynamics in the Post-Phase I Kissimmee River Channel and Implications for Discharge Management Hongjun Chen, Stephen G. Bousquin, David H. Anderson
22	Banner: Title: Presenters:	Canal flow measurements got you on edge? ACDP Biases: Identification and Quantification (Edge Estimations) J. Goodson, S. Hajimirzaie, M. Mayes, J. Buzard, J.A. González-Castro
23	Banner: Title: Presenters:	Managing your budget Water and Nutrient Budgets of the Upper Kissimmee Chain of Lakes R. Thomas James
25	Banner: Title: Presenters:	Combining Physics and Botany to Manage Stormwater Treatment Areas An Integrated Environmental Model for a Constructed Wetland Kang Ren Jin
26	Banner: Title: Presenters:	Gauging Future Flood Protection for Coastal Areas in South Florida Structure Based Flood Control Level of Service for Coastal Water Control Structures Luis Cadavid, Chen Qi, Mark Wilsnack and Ken Konyha

