

Author	Affiliation	Title	Poster #	Session	Poster Section	Student Competition
Acar, Ozlem	University Of Florida	Analytical Groundwater Models to Analyze Drawdowns in Leaky Three-Layer Aquifer Systems	412	1	Water Availability and Allocation	y
Adiku, Samuel	University of Florida	A technical and economic evaluation of wind-pump-low pressure drip for vegetable irrigation in a coastal zone of Ghana	311	2	Population Growth and Land Use Change Impacts	
Albertin, Andrea	University of Florida	Stable Isotope Compositions of Macroalgae, Sediment and Nitrate in Florida Springs	603	1	Public Health, Wildlife Health, Ecosystem Health	y
Alvarez, Diane S.	Beautyberry Books	Green-up Our Attitudes, Not Our Yards	203	1	Public Perceptions, Values, Attitudes and Socioeconomic Factors	
Arias, Mauricio	University of Florida	Characterization of Suspended-Sediment Concentration during runoff-events into a closed-basin stormwater system	309	1	Population Growth and Land Use Change Impacts	y
Asefa, Tirusew	Tampa Bay Water	Rainfall Characteristics of Central Florida: Implications to Short- and Long-Term Management Decisions	101	2	Climate Variability and Climate Change Factors	
Aycock, Robert	Weston Solutions, Inc.	Drainage Utility Evaluations for U.S. Army Reserve Facilities	624	1	Public Health, Wildlife Health, Ecosystem Health	
Baigorria, Guillermo	University of Florida	Geospatial and temporal daily rainfall data generation	102	2	Climate Variability and Climate Change Factors	
Baum Haley, Melissa	University of Florida	Residential irrigation water application influenced by socio-economic parameters	208	1	Public Perceptions, Values, Attitudes and Socioeconomic Factors	y
Baumberger, Laura	Carollo Engineers	Integrating Sustainability into Water Reuse Decision-Making	207	2	Public Perceptions, Values, Attitudes and Socioeconomic Factors	
Becker, Thomas	UF Lee County Extension Service	Extreme Yard Makeover	627	2	Public Health, Wildlife Health, Ecosystem Health	
Bhadha, Jehangir	University of Florida	An Attempt to Sustain the Choctawhatchee Coastal Dune Lakes of Florida from Natural and Anthropogenic Perils: A Collaborative Approach.	306	1	Population Growth and Land Use Change Impacts	y
Bhat, Shirish	Environmental Consulting and Technology Inc.	Statistical Characterization of Water Quality in Lake Monroe, Florida, USA	526	2	Nutrient Enrichment and Emerging Contaminants	
Bigham, Dana	University of Florida	A Survey of Microcystin in Florida Lakes	608	1	Public Health, Wildlife Health, Ecosystem Health	y
Bonilla, J. Alfredo	University of Florida	Pathogens, Public Health and Coastal Ocean Water	511	2	Nutrient Enrichment and Emerging Contaminants	
Boote, Kenneth	University of Florida	Prediction of Crop Water Use and Irrigation Requirement with Crop Growth Models	409	2	Water Availability and Allocation	
Breuer, Norman E.	University of Miami	SOUTH FLORIDA EXTENSION AGENT PERCEPTIONS ON CLIMATE FORECASTS FOR WATER MANAGEMENT	104	2	Climate Variability and Climate Change Factors	
Brown, Gordon	University of Florida	Development of Device for Measuring EDC Flux in Groundwater	510	1	Nutrient Enrichment and Emerging Contaminants	y
Brown, Mark	University of Florida	Assessing the values of water and its allocation under climate change scenarios using a biophysical approach	103	1	Climate Variability and Climate Change Factors	
Bunch, Aaron	University of Florida	Dissolved Oxygen Dynamics in Tussock-forming Aquatic Macrophytes	602	1	Public Health, Wildlife Health, Ecosystem Health	y
Byrne, Heather	University of Florida	Silica-Titania Composites: An Advanced Oxidation Technology for Low Level Mercury Removal	612	1	Public Health, Wildlife Health, Ecosystem Health	y
Cardenas-Lailhacar, Bernard	University of Florida	Water Conservation Potential and Performance of Soil Moisture Sensor Irrigation Controllers	301	2	Population Growth and Land Use Change Impacts	
Carey, Richard	University of Florida	Nutrient Loads in the Biscayne Bay Watershed, South Florida (1994-2006): A Trend Analysis	310	1	Population Growth and Land Use Change Impacts	y
Cathey, Anna	University of Florida	Validating ACRU2000's Water Quality Module in Southern Africa	502	1	Nutrient Enrichment and Emerging Contaminants	y
Cheng, Peng	University of Florida	Flow dynamics over hollows in estuaries	522	2	Nutrient Enrichment and Emerging Contaminants	
Clark, Mark	University of Florida	Reducing Tributary Nitrate Load from a Container Nursery within the Santa Fe River Watershed	517	2	Nutrient Enrichment and Emerging Contaminants	
Clarke, Alice	Everglades National Park	Climate Change and South Florida's National Parks	105	1	Climate Variability and Climate Change Factors	
Corbett, Liz	Florida State University	Radon and CH4 Tracing of Groundwater Flow and Surface Water Interactions at Wakulla Springs	516	1	Nutrient Enrichment and Emerging Contaminants	y
Davis, Stacia	University of Florida	Water Conservation in Landscape Irrigation Using ET Controllers	416	1	Water Availability and Allocation	y

DeBusk, Tom	DB Environmental, Inc.	Impacts of the South - North Water Diversion on Nansi Lake, China	417	2	Water Availability and Allocation	
Demko, Michael	Malcolm Pirnie, Inc.	Cross-Connection Prevention is Key to Public Acceptance	209	2	Public Perceptions, Values, Attitudes and Socioeconomic Factors	
Dimova, Natasha	Florida State University	Groundwater-Surface Water Interaction Study for Six Florida Lakes - Lake Newnans, Lake Butler, Clear Lake, Lake Haines, Lake Shipp and Lake Josephine	519	1	Nutrient Enrichment and Emerging Contaminants	y
Dix, Nicole	University of Florida	Water Quality Changes within the Guana Tolomato Matanzas National Estuarine Research Reserve, FL Associated with Four Tropical Storms	106	1	Climate Variability and Climate Change Factors	y
Djidonou, Desire	University of Florida	Using the CROPGRO Model to Simulate Fresh Market Production, N Uptake, and N Leaching of Snap Bean as Affected by N fertilization and Irrigation	508	1	Nutrient Enrichment and Emerging Contaminants	y
Dodd, Alyssa	Palm Beach County Extension	Exploring Citizen Involvement in the Restoration of the Florida Everglades	202	2	Public Perceptions, Values, Attitudes and Socioeconomic Factors	
Erickson, John	University of Florida	Comparing long-term inorganic-N leaching and water use between a Florida-friendly landscape and a St. Augustinegrass lawn	513	2	Nutrient Enrichment and Emerging Contaminants	
Esry, Don	Creech Engineering	Reuse of Effluent Water in the Florida Department of Corrections	404	2	Water Availability and Allocation	
Esterson, Kris	PBS&J	Sea-Level Rise and Florida's Public Water Supply Sources and Infrastructure: Threat Characterization, Assessment of Vulnerability, and Analysis of Consequences	107	2	Climate Variability and Climate Change Factors	
Evans, Jason	University of Florida	Making Friends with a Stranger: Opportunities for Water Hyacinth Utilization in 21st Century Florida	613	2	Public Health, Wildlife Health, Ecosystem Health	
Finnegan, Eleanor	University of Florida	The Role of the Islamic Tradition in Water Issues: Focus on America and Beyond	204	1	Public Perceptions, Values, Attitudes and Socioeconomic Factors	y
Fisher, Paul	University of Florida	The Water Education Alliance for Horticulture	303	2	Population Growth and Land Use Change Impacts	
Gadekar, Sachin	University of Florida	Recovery of nitrogen and phosphorus nutrients in wastewater by precipitation as struvite	538	1	Nutrient Enrichment and Emerging Contaminants	y
Gao, Bin	University of Florida	Impact of Nanotechnology on Water Resources	505	2	Nutrient Enrichment and Emerging Contaminants	
Gioeli, Ken	St Lucie County Cooperative Extension	Hydrilla Genetic Diversity Survey in Florida	616	2	Public Health, Wildlife Health, Ecosystem Health	
Goswami, Debashish	University of Florida	Evaluation of ranchland best management practices for phosphorus discharge in the Lake Okeechobee basin	537	1	Nutrient Enrichment and Emerging Contaminants	
Gowdish, Leslie	University of Florida	Green-Ampt Infiltration and Redistribution Calculations for 1-D and Quasi 3-D (Point Source) Flow Domains	413	1	Water Availability and Allocation	
Grabe, Stephen	Janicki Environmental, Inc	Benthos of the Alafia River estuary (Tampa Bay, Florida, USA) during and after a prolonged period of low freshwater inflow	619	1	Public Health, Wildlife Health, Ecosystem Health	
Green, Alex	University of Florida	On a Possible Path to Remediating Florida's Eutrophied Fishing Lakes	536	1	Nutrient Enrichment and Emerging Contaminants	
Green, Deborah	Water Media Services	From Small Towns to Big Cities in Florida: Water Efficiency Efforts that are Doable.	201	2	Public Perceptions, Values, Attitudes and Socioeconomic Factors	
Greene, Gretchen	ENTRIX Inc.	Water Resources for Native or Invasive Species?	205	2	Public Perceptions, Values, Attitudes and Socioeconomic Factors	
Greene, Gretchen	Enrix Inc.	Balancing Long Term Water Demand and Supply: The Arizona Case Study	405	1	Water Availability and Allocation	
Greenhalgh, Tom	Florida Geological Survey	Sources of Nitrate Contamination in Fanning Springs, Florida	530	2	Nutrient Enrichment and Emerging Contaminants	
Gurucharri, Tina	University of Florida	Aesthetics & Ecology: Landscape Architects Rethink Stormwater Management Design	629	2	Public Health, Wildlife Health, Ecosystem Health	
Harr, Kendal	FVP Consultants, Inc.	Disseminated Staphylococcal Sepsis with Evidence of Immune Suppression and Toxin Exposure in a Florida Manatee (<i>Trichechus manatus latirostris</i>)	617	1	Public Health, Wildlife Health, Ecosystem Health	
He, Jianqiang	University of Florida	Parameter Estimation for CERES-Maize Model with the GLUE Method	512	1	Nutrient Enrichment and Emerging Contaminants	y

Ho, Tien	Parsons	Challenges in Everglades' Seepage Management	628	2	Public Health, Wildlife Health, Ecosystem Health	
Hu, Bill	Florida State University	Modeling Variable-density Groundwater Flow in the Coastal Aquifer of Apalachee Bay, Gulf of Mexico: Submarine Groundwater Discharge (SGD), Tides Influence and Nearshore Circulation	501	1	Nutrient Enrichment and Emerging Contaminants	
Hu, Bill	Florida State University	Hydrodynamics of Groundwater Flow in a Karst Aquifer	418	2	Water Availability and Allocation	
Hutton, Richard	Gainesville Regional Utilities	Paynes Prairie Sheetflow Restoration Project	623	2	Public Health, Wildlife Health, Ecosystem Health	
Jin, Jin	University of Florida	Abiotic Dissolved Organic Matter-Mineral Interaction in the Karstic Floridan Aquifer	615	1	Public Health, Wildlife Health, Ecosystem Health	y
Kaplan, David	University of Florida	Soil Moisture and Salinity Dynamics in a Freshwater Bald Cypress (Taxodium distichum) Swamp Impacted by Saltwater Intrusion	610	1	Public Health, Wildlife Health, Ecosystem Health	y
Katz, Brian	U.S. Geological Survey	Assessing Contaminant Movement and Age of Water in the Contributing Recharge Area For a Public Supply Well in the Karstic Upper Floridan Aquifer	605	2	Public Health, Wildlife Health, Ecosystem Health	
Keener, Victoria	University of Florida	ENSO based low-frequency precipitation and nutrient load oscillations in the Little River Watershed	108	1	Climate Variability and Climate Change Factors	y
Kiker, Gregory	University of Florida	Development of a management-focused, spatial decision support tool to simulate water resource effects of climate forecasting within southern Florida beef cattle agroecosystems.	112	1	Climate Variability and Climate Change Factors	
Kiker, Gregory	University of Florida	A prototype, scenario-based, decision support system for integrating food security and ecosystem management in Jamaica	601	2	Public Health, Wildlife Health, Ecosystem Health	
Kim, Haryun	University of Florida	The inorganic nitrogen transformations in tributaries impacted by fertilizer and ranch activity, the Santa Fe River	305	1	Population Growth and Land Use Change Impacts	y
Kraft, Carol	Southwest Florida Water Management District	Preliminary Results from the Upper Floridan Aquifer Nutrient Monitoring Network, Southwest Florida Water Management District	506	2	Nutrient Enrichment and Emerging Contaminants	
Krekeler, Carolyn	University of Florida	Fusing Spatio-Temporal Data to Estimate Streamflow via a Bayesian Network	402	1	Water Availability and Allocation	y
Kuo, Yi-Ming	University of Florida	Vegetative Filter Strips to Control Surface Runoff Phosphorus Transport from Mining Sand Tailings in the Upper Peace River Basin of Central Florida	534	1	Nutrient Enrichment and Emerging Contaminants	y
Lagerwall, Gareth	University of Florida	Linkage of Ecological Algorithms with a Transport and Reaction Simulation Engine (TaRSE:ECO) for implementation with the regional-scale water simulation model, RSM	611	1	Public Health, Wildlife Health, Ecosystem Health	y
Lamsal, Sanjay	University of Florida	Land use intensity and water quality in the Newnans Lake watershed.	525	1	Nutrient Enrichment and Emerging Contaminants	
Lang-Josan, Sylvia	University of Florida	GREEN ROOFS: AN URBAN STORMWATER BMP FOR WATER QUANTITY AND QUALITY IN THE SUBTROPICS	518	1	Nutrient Enrichment and Emerging Contaminants	
Langston, Abigail	University of Florida	Using slug tests to characterize hydraulic conductivity at various locations in a karstic sink-rise system: Implications for recharge mixing in the Upper Floridan aquifer	504	1	Nutrient Enrichment and Emerging Contaminants	y
Lauderdale, Chance	Carollo Engineers	Biological Filtration: Sustainable Water Treatment Using Bacteria	606	2	Public Health, Wildlife Health, Ecosystem Health	
Lewis, Michael	USEPA	Fate and Effect of Anthropogenic Chemicals in Seagrass Ecosystems	618	1	Public Health, Wildlife Health, Ecosystem Health	
Long, Lauren	University of Florida	Evidence of Geologic Phosphorus as the Source of Contamination in Newnans Lake	514	1	Nutrient Enrichment and Emerging Contaminants	y
Loper, John	Interflow Engineering, LLC	An Integrated Model of a Hydrologically Altered Watershed in Southwest Florida	308	2	Population Growth and Land Use Change Impacts	
Martinez, Christopher	University of Florida	The relationship between sea surface temperatures and rainfall in the Tampa Bay region: Potential for long-term predictability	109	2	Climate Variability and Climate Change Factors	
Mattausch, Paul	Collier County	Florida's First Groundwater Desalination System – Optimizing Source Water Use in Collier County	521	2	Nutrient Enrichment and Emerging Contaminants	
McKee, Kathleen	University of Florida	Geographically Distributed Hydrologic Information System for National and Investigator Water Data	408	2	Water Availability and Allocation	
McLarty, Rebecca	University of Florida	Toilet End-Use Evaluation Methodology for Single-Family Residences in Tampa, Florida	414	1	Water Availability and Allocation	y

Million, Jeff	University of Florida	Resource Management Tool for Container Nurseries	614	2	Public Health, Wildlife Health, Ecosystem Health	
Muller, Stuart	University of Florida	Interfacing a Novel Water Quality Model with a Variable-Density, Coupled Surface and Groundwater Model for the Southern Everglades	528	1	Nutrient Enrichment and Emerging Contaminants	y
Nguyen, Chung	University of Florida	Application of the OPUS model to Simulate Water and Nutrient Movement in South Africa's Umgeni River Watershed	507	1	Nutrient Enrichment and Emerging Contaminants	y
Nijbroek, Ravic	Janicki Environmental, Inc	A Decision Framework for Understanding Change in Salinity Distributions in Three Florida Rivers near Tampa Bay	621	1	Public Health, Wildlife Health, Ecosystem Health	
Obreza, Thomas	University of Florida	Florida's Bevy of BMP Manuals: Voluntary Programs to Protect Water Resources	529	2	Nutrient Enrichment and Emerging Contaminants	
Olmsted, Tom	University of Florida	Understanding Urban Outdoor Water Use	312	1	Population Growth and Land Use Change Impacts	y
Opsahl, Stephen	J. W. Jones Ecological Research Center	Lake Seminole: A Sentinel of Upstream and Downstream Water Quality in the ACF Basin	527	2	Nutrient Enrichment and Emerging Contaminants	
Ouyang, Ying	St. Johns River Water Management District	A Model for Estimating Dynamic Discharge of Shallow Groundwater Nitrate into Rivers Using STELLA	535	2	Nutrient Enrichment and Emerging Contaminants	
Padowski, Julie	University of Florida	Inverse Modelling of a Dynamic Decision Support System for Water Resources Planning and Management	407	1	Water Availability and Allocation	y
Pawlitz, Rachel	University of Florida	Praying for Rain: Media Framing of Water Allocation in the Apalachicola-Flint- Chattahoochee Basin	210	1	Public Perceptions, Values, Attitudes and Socioeconomic Factors	y
Perez-Ovilla, Oscar	University of Florida	Development of a Generic Pollutant Transport Component to simulate runoff pollutant dynamics through Vegetative Filter Strips	520	1	Nutrient Enrichment and Emerging Contaminants	y
Phillips, Brian	North Carolina State University	Methods to Predict the Lateral Effect of a Drainage Ditch on Adjacent Wetland Hydrology	302	1	Population Growth and Land Use Change Impacts	y
Pribble, Raymond	Janicki Environmental, Inc.	Temporal and Spatial Variability in Salinity in Three Tampa Bay Tributaries	622	2	Public Health, Wildlife Health, Ecosystem Health	
Randall, Andrew	University of Central Florida	Water: Disease, Sanitation, and Sustainability - A Comparison of the Modern and Ancient World	604	2	Public Health, Wildlife Health, Ecosystem Health	
Rayfield, Travis	University of Florida	Measuring in-situ nitrate concentrations at high temporal resolution	531	1	Nutrient Enrichment and Emerging Contaminants	y
Reardon, Rod	Carollo Engineers	Visioning the Future of Wastewater Treatment & Reuse in Florida	625	1	Public Health, Wildlife Health, Ecosystem Health	
Sanford, Whitney	University of Florida	Water Transfers: Hindu Narrative and Agricultural Ethics	214	2	Public Perceptions, Values, Attitudes and Socioeconomic Factors	
Savabi, Reza	USDA-ARS	Modeling the Effect of Soil Amendments on Water Balance and Water Quality	524	1	Nutrient Enrichment and Emerging Contaminants	
Scholl, James	Malcolm Pirnie	Water Supply Planning Issues in Charlotte County, Florida	406	1	Water Availability and Allocation	
Sethi, Sandeep	Carollo Engineers	Desalination: Key Elements Towards Improved Sustainability	415	2	Water Availability and Allocation	
Shedd, Mary	University of Florida	Soil Moisture-based Irrigation Control on St. Augustinegrass	411	1	Water Availability and Allocation	y
Sheng, Peter	University of Florida	Effects of hurricanes on estuarine and coastal ecosystems	110	1	Climate Variability and Climate Change Factors	
Snyder, Elizabeth H.	University of Florida	Environmental Transport of Biosolids-Borne Triclocarban	509	1	Nutrient Enrichment and Emerging Contaminants	y
Snyder, Samuel	University of Florida	Dammed Debate: The Role Values and Perceptions of Water in the Rodman Dam/Ocklawaha River Debate	212	1	Public Perceptions, Values, Attitudes and Socioeconomic Factors	y
Sobczak, Robert	Big Cypress National Preserve	South Florida's Watershed Journal	206	1	Public Perceptions, Values, Attitudes and Socioeconomic Factors	
Srivastava, Vibhava	University of Florida	Application of time series modeling techniques to improve the performance of a physically-based hydrologic model	532	1	Nutrient Enrichment and Emerging Contaminants	y
Stocks, Gabriela	University of Florida	Revering Rivers: Perceptions vs. Reality in an Amazonian Watershed	304	1	Population Growth and Land Use Change Impacts	y
Stringer, Christina	University of South Florida	Controls on the chemical hydrology and associated ecological structure and function in mangroves, Indian River Lagoon, Florida	607	1	Public Health, Wildlife Health, Ecosystem Health	y

Taft, Jessica	University of Florida	A DESCRIPTION OF THE LANDSCAPE DEVELOPMENT INTENSITY INDEX AND ITS EFFECT ON THE STREAM CONDITION INDEXES OF FLORIDA'S STREAMS AND RIVERS	307	1	Population Growth and Land Use Change Impacts	y
Thomas, Ray	University of Florida	High Temporal Resolution Nitrate Monitoring	523	2	Nutrient Enrichment and Emerging Contaminants	
Vogel, William	University of Florida	Visible/near-infrared (VNIR) reflectance spectroscopy for field prediction of sediment properties from Lake Okeechobee, Florida.	533	1	Nutrient Enrichment and Emerging Contaminants	y
Walsh, Stephen	U.S. Geological Survey	Bioassessment of Benthic Macroinvertebrate Communities in Selected Springs of the St. Johns River Drainage	626	2	Public Health, Wildlife Health, Ecosystem Health	
Wanakule, Nisai	Tampa Bay Water	COPING WITH CLIMATE VARIABILITY IN OPTIMIZING SUSTAINABLE WATER SUPPLY MANAGEMENT	403	2	Water Availability and Allocation	
Waterhouse, Amy	University of Florida	Spatial structure of tidal and residual flows at a tidal inlet	503	1	Nutrient Enrichment and Emerging Contaminants	y
Watts, Danielle	University of Florida	Soil elevation as an indicator of Everglades ridge and slough alternative stable states	609	1	Public Health, Wildlife Health, Ecosystem Health	y
Wessel, Mike	Janicki Environmental Inc.	FISH COMMUNITY RESPONSE TO INFLOW VARIATIONS IN TWO IMPOUNDED AND ONE UNIMPOUNDED TIDAL TRIBUTARY TO TAMPA BAY, FLORIDA	620	2	Public Health, Wildlife Health, Ecosystem Health	
Wilson, James	University of Florida	River of God(s): Religious Perspectives and Conservation of Pakistan's Sindh River	211	1	Public Perceptions, Values, Attitudes and Socioeconomic Factors	y
Winkler, Steve	St Johns River Water Management District	Factpages: web based access to water quality information	213	2	Public Perceptions, Values, Attitudes and Socioeconomic Factors	
Woli, Prem	University of Florida	Water Deficit Index (WDI) For Quantifying Crop Water Stress	111	1	Climate Variability and Climate Change Factors	y
Young, Linda	University of Florida	Nitrogen Input Assessment for the Wekiva Study Area	515	2	Nutrient Enrichment and Emerging Contaminants	
Zajac, Zuzanna	University of Florida	Global Sensitivity Analysis of the South Florida Regional Simulation Model (RSM) using the Method of Morris	401	1	Water Availability and Allocation	y
Ziamba, Lukasz	University of Florida	A Digital Library for Water Conservation	410	1	Water Availability and Allocation	y