



# The Droplet

Florida Water Environment Association  
Integrated Water Resources Committee

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## Beyond What We Can Quantify on Our Laptops

The Integrated Water Resources Committee (IWRC) was founded back in mid 1990s as the Stormwater Committee by some dedicated leaders within the Florida Water Environment Association. We can safely say that most water professionals looked at the world in a more compartmentalized way at that time. Stormwater professionals (sometimes known as the drainage engineers) sat down the hallway from the process engineers and we talked at our office potlucks—but I am not sure we were really communicating on a technical level. This compartmentalization somewhat worked for us for many years, until we truly started seeing the true breadth of our water issues—not just in Florida—but globally. These issues are usually based in water supply but they are also somehow larger than that. I think most of us in the water business know how water touches every aspect of life on earth—it goes way beyond what we can easily quantify with our laptops.

The IWRC believes that our water issues in Florida will not be solved by one type of water professional or one type of project. Water in Florida interconnects engineering, ecology, chemistry, geology—let alone the biggest issues like finance, regulations, and public education. In the public eye, the environment is now getting more of the attention we knew it needed for so many years. However, this attention also demands more of us. As water experts, we need to rise to the challenge and produce sustainable and affordable solutions that Floridians can live with for many years to come. Crunching numbers in our office and talking at potlucks isn't going to make the cut anymore.

The Integrated Water Resources Committee is dedicated to the type of dialogue that brings all categories of water professionals together. The Droplet will be dedicated to facilitating an accessible, current, and meaningful dialogue on the issues that FWEA members are most concerned about in the area of integrated water resources. To become an official sponsor of The Droplet or to consider becoming a member of the IWRC please visit our website at <http://www.fwea.org/> or contact me at [lperez@brwnncald.com](mailto:lperez@brwnncald.com).



*IWRC Chair, Elizabeth Perez, taps into an unusual water supply on a vacation in Canada last summer.*

**Chair:**  
Elizabeth Perez

**Vice Chair:**  
Lauren Holman

**Secretary:**  
Liz Bartell

**Treasurer:**  
Justin Gregory



## Learning from the Drought

By 2025, Floridians are forecast to use about 2 billion gallons more fresh water each day. The 2006-2008 Drought presented many challenges. Fortunately, Florida had response mechanisms in place to implement the long-term strategies detailed in their regional water supply plans. This was instrumental in mitigating the worst effects of the drought. The Department's annual report on regional water supply planning, "Learning from the Drought," describes the progress toward meeting the 2025 Water Supply Needs and offers suggestions on improving the state's drought resistance. The document can be found at the following location:

<http://www.dep.state.fl.us/WATER/waterpolicy/docs/learning-from-drought-final-report.pdf>

### Featured Project: Little Lake Fairview Environmental Restoration and Dubsdread Golf Course Renovation

The City of Orlando, Florida retained CDM to provide water quality improvement, stormwater retrofit, and renovation design for the Little Lake Fairview Restoration and Dubsdread Golf Course Renovation project. Having been built prior to stormwater regulations, the water bodies surrounding the golf course, including Little Lake Fairview and onsite wetlands, suffered from degradation and pollution.

CDM designed ten new and expanded the existing five wet detention ponds for improved flood control; regraded and reconfigured the golf course; and modified an existing drainage connection. The modification to the drainwell allows for wetland rehydration and provides treated recharge to the aquifer. The CDM team designed intereconnected stormwater facilities that will provide treatment and flood control and will be connected to the irrigation system for stormwater reuse. Stormwater reuse allows the City to conserve water by reducing reliance on the increasingly scarce Florida groundwater. Further, the new ponds improved the aesthetics of the historic golf course.

The golf course's new ponds were designed to collect and treat stormwater runoff from the future Interstate-4 expansion project in the vicinity, reducing FDOT's property acquisition needs, preserving area homes and businesses, and saving money for both entities.

This project received the Central Florida Engineers' Week 2008 Project of the Year Award.



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## Calendar of Events

<b>Date</b>	<b>Description</b>
February 3, 2009	IWRC Committee Meeting Teleconference
February 5, 2009	FWEA First Coast Chapter Joint Meeting with FSAWWA and Annual Drinking Water Competition
March 3, 2009	IWRC Committee Meeting Teleconference
April 4-8, 2009	Florida Water Resources Conference
May 5, 2009	IWRC Committee Meeting Teleconference
June 2, 2009	IWRC Committee Meeting Teleconference

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## Welcome New Members!

<b>Name</b>	<b>Company</b>
Chad Drummond, P.E.	Geosyntec Consultants
David Scott, P.E.	Jordan, Jones, & Goulding
Marcus Moore	WRS Compass

## HELP WANTED



Geosyntec Consultants is pleased to welcome Chad Drummond, P.E. to the firm as an Associate. Mr. Drummond enhances Geosyntec's professional capabilities with his varied experience managing and executing water resources, environmental restoration, and numerical modeling projects. He is also the Office Manager of Geosyntec's new Orlando area office, which is the firm's sixth office located in Florida.

This Lake Mary office will focus on providing full service water resources and environmental engineering services to clients across Florida. Contact Chad at 407.321.7030 or [cdrummond@geosyntec.com](mailto:cdrummond@geosyntec.com).

Geosyntec is growing and looking for numerical modeling, water resources, environmental, and geotechnical professionals across its six Florida offices.

Visit [www.geosyntec.com](http://www.geosyntec.com) and reference FLCD when applying.

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