



The Droplet

Florida Water Environment Association
Integrated Water Resources Committee

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We want to hear from you.

In August the FWEA Integrated Water Resource Committee (IWRC) had a changing of the guard so to say. We'd like to introduce ourselves, Susan Gerena and Saurabh Srivastava as the new Newsletter Chairs. One of the goals of this committee is to further the dialog between water professionals throughout Florida to further our growing needs in all areas of water resources. As the new newsletter chairs of *The Droplet* we would like to encourage more interaction with our readers by inviting feedback. *The Droplet* can also be the source of voicing issues that are important to the professionals in our field.

There are many ways that you can get involved such as by joining the committee as an active member, or writing technical articles about an issue that is of importance. We look forward to hearing from you. *Happy Reading!!*

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 Susan Gerena (sgerena@interfloweng.com) or Saurabh Srivastava (Srivastava@pbworld.com).

Make Your Ponds Smaller with Thirsty Duck®

Thirsty Duck® Buoyant Flow Control Devices can be used to minimize detention storage volume by maximizing outflow rate. The devices operate on the constant head principle and have the ability to produce a constant flow rate regardless of water surface elevation. In many cases, the devices have been shown to reduce detention storage requirements up to 50%. Thirsty Duck® has been in use in Washington and other northwestern U.S. states since 2006 and has now been permitted for both public and private sector projects in Florida. The devices are fabricated from high quality, corrosion resistant materials and are made to withstand the stormwater system environment. They require no more maintenance than a traditional stormwater control structure; only periodic inspection and debris removal.



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ArcGIS 10

ArcGIS 10 is the newest product put out by Esri for its suite of geographic information system software and is currently available for order or download. Esri advertises that ArcGIS 10 has features to increase productivity, improved access to Imagery and imagery processing, new ways to share information, extended mobile features and flexible deployment.

Increased Productivity

- ArcCatalog and ArcMap have become integrated in ArcGIS 10 through a dockable window. Now in ArcMap it is unnecessary to open a separate ArcCatalog window to use its functionality for most tasks. ArcCatalog as a separate application will still be packaged in ArcGIS 10, but for most purposes the compact version will serve a user's needs. While using the new ArcCatalog window you'll be able to drag data directly onto the map instead of needing to use the "Add Data" function. Combining the two will also eliminate many of the frustrations due to a file being locked for use by one application and unavailable to be modified in the other.
- Search directly within ArcMap for data layers through a new built in search function.
- Simplified map creation with a streamlined sketch-based Desktop (2D/3D).
- The ability to automate map production using Python and map books to allow for creating data driven maps.
- Improvements to data loading and navigation speeds.
- Now when using the identify tool the map will no longer be redrawn each time.

Improved Access to Imagery

- Better performance through faster image display and quicker refresh times.
- A new "Image Analysis Window" for quicker image analysis and interpretation.
- Improvements have been made to image management, including dynamic mosaicking.

New Ways to Share Information

- Create a map package (.mpk) to easily share a complete map with all layers, symbology, and information.
- Improved access to data on ArcGIS.com.

Extended Mobile Features

- ArcGIS has gone mobile on tablet PCs for increased productivity in the field.
- Functionality includes access to geoprocessing tools and syncing mobile caches.
- A new iPhone mapping application is available via iTunes, other platforms such as Droid and Blackberry also available.

Flexible Deployment

- Installation and management of ArcGIS Desktop licenses has become easier.
- The ability to borrow licenses for use away from the office.
- Introduction of web-hosted applications and web-extended desktops for use of GIS anywhere.

ArcGIS 10 has a plethora of increased functionality mostly aimed for ease of use and better productivity. The biggest changes are in embracing mobile technology to enable better use while in the field and at remote locations. These changes should be of great use to all professionals who use ArcGIS.



Calendar of Events

<u>Date</u>	<u>Description</u>
December 7, 2010	IWRC Meeting Teleconference
January 4, 2011	IWRC Meeting Teleconference
February 1, 2011	IWRC Meeting Teleconference

Open Hydrogeologist Position

Parsons Brinckerhoff is seeking qualified hydrogeologist candidates for our Orlando office. Job responsibilities include project management, technical leadership and supervision of professionals on a diverse project workload. Requirements include a BS degree (MS preferred) in hydrogeology, groundwater hydrogeology/engineering or similar and a Florida P.G. license (or ability to obtain one within 6 months). A minimum of 15 years work experience is desired, and while a broad range of geographic experience is beneficial, significant experience in Florida is strongly desired. Please submit your resume at [http://search0.smartsearchonline.com/pb/jobs/Reference # 11558](http://search0.smartsearchonline.com/pb/jobs/Reference%20#%2011558)



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