

# the Watershed

Florida Section Meeting

January 26, 2007

## Public, Private & Volunteer Partnerships for Education & Research in Water Resources

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Join us in Gainesville for a full schedule of meetings, water resources career fair, student poster session and dinner. See how public, private and volunteer partnerships with education and research can benefit water resources. Don't miss this great opportunity to highlight your organization and network with water resource professionals and students.

See the meeting agenda on the next page for a brief description of agenda topics.

**Location & Accommodations:** The meeting will be held at the University of Florida's TREEO Center located at 3900 SW 63<sup>rd</sup> Boulevard, Gainesville, Florida.

Accommodations are available at the Comfort Inn West, 3440 SW 40<sup>th</sup> Boulevard, Gainesville, Florida 32608. Please call (352) 264-1771 to make your reservations now. Standard rooms are \$65/night and King rooms are \$70/night and suites range from \$80/night to \$110/night. Please mention UF/TREEO for these rates.



2007 Meetings: January 26 Gainesville; March 16 Apalachicola; May 18 Tampa;  
July 12-14 Key West; September 14 Stuart; November 16 Fort Myers



# AWRA Florida Section January Meeting

Friday, January 26, 2007

University of Florida TREEO Center  
3900 SW 63<sup>rd</sup> Blvd.  
Gainesville, Florida 32608

## **Public, Private and Volunteer Partnerships for Education and Research in Water Resources**

Join us in Gainesville for a full schedule of meetings, water resources career fair, student poster session and dinner.

Technical Chairs: MACTEC Engineering and Consulting, Inc.-Mark Diblin and Maria Martin  
Board Member Chairs: University of Florida-Carol Hinton and Gordon Brown

11:00 a.m. – 1:00 p.m.	Board Meeting (members invited)	Dutch Treat
<b>1:00 p.m. – 5:00 p.m. – Technical Program</b>		
1:00 – 1:05 p.m.	Mark Diblin, P. G.	Welcome
1:05 – 1:30 p.m.	Wendy Graham, Ph.D., Carl S. Swisher Chair in Water Resources and University of Florida Water Institute Director	The University of Florida Water Institute: An Opportunity for Partnership
1:30 – 2:00 p.m.	Matt Tillman, Enviroflux and Michael Annable, Ph. D., Professor, University of Florida EES	The Passive Flux Meter for Measurement of Groundwater Nutrient Loads into Lake Okeechobee
2:00 – 2:30 p.m.	Jenny Kellogg, Florida LAKEWATCH: The Statewide Volunteer Water Quality Monitoring Program	How Lakewatch enhances the level of scientific knowledge available about Florida lakes
2:30 – 3:00 p.m.	<b>Break</b>	Visit Student Posters/Judging
3:00 – 3:30 p.m.	Joe Delfino, Ph.D., Professor & Gordon Brown, Graduate Student, University of Florida EES	The ABC's of ECs and EDCs
3:30 – 4:00 p.m.	David Richardson, P.E., Gainesville Regional Utilities	How GRU is planning for water resource demands for the future
4:00 – 4:30 p.m.	Fritzi Olson, Adopt-A-River and Anna Prizzia, WAV	Water Resource Community Education and Restoration Volunteer Projects
4:30 – 5:00 p.m.	J B Butler Award winners – St. Francis Catholic High, Westwood Middle, and Oakview Middle School	Water Resources Field Trips for Florida Schools
4:00 – 5:00 p.m. (breakout session)	Careers in Water Resources-Students will have the opportunity to learn about career opportunities in water resources from government to corporate	AWRA Board members panel discussion
5:00 – 6:00 p.m.	Social hour	Visit Exhibit Tables
6:00 – 8:00 p.m.	The Honorable Pegeen Hanrahan, Mayor of Gainesville	Dinner speaker – Low Impact Development (LID) in Gainesville



## **AWRA NATIONAL NEWS**

### *Upcoming conferences hosted by AWRA*

◆ **Third National Water Resources Policy Dialogue, January 22-23, 2007, Arlington, VA** (Registration deadline is January 8<sup>th</sup>, 2007). The Third Dialogue will build on the results of the first two and provide decision makers with guidance in the formulation and development of water resources policies attuned to societal needs and preferences. Sessions are based on the following themes:

**Setting a Direction:** reconciling the current ad hoc "National" water policy

**Working Together Holistically:** integrative, multi-disciplinary approaches to water resources issues using collaboration

**Building on Science:** the need for good science to support sound policy decisions

Sessions will include presentations & small group facilitated discussions involving all attendees. Highlights include the following keynote speakers and two panels of leaders of Federal water resources agencies:

Senator Christopher Bond, Missouri (invited), Senator Thad Cochran, Mississippi (invited), Congressman Earl Blumenauer, Oregon (invited), Mike Johanns, Secretary of Agriculture, James L. Connaughton, Chairman, Council on Environmental Quality (invited), Governor Bill Richardson, New Mexico (invited)

Elected officials will be in attendance, and the results of the Dialogue will be communicated to the Nation's leadership.

◆ **Emerging Contaminants of Concern in the Environment, June 25-27, 2007, Vail, CO** (Abstract deadline is February 5<sup>th</sup>, 2007).

Come join AWRA and the Colorado State Section at the Vail Cascade Resort in the mountains of Colorado. The conference goal is to provide a balanced interdisciplinary forum on emerging chemical and microbial contaminants (ECs) of concern in the environment. The conference program will include high-quality technical research; practical information about EC risk targeted at educators, health officials, and policy makers; potential solutions to EC problems for wastewater and drinking water treatment professionals; and moderated discussion regarding future research and education needs.

*Current and former Florida Section members honored at the Annual Water Resources Conference in Baltimore, MD*

Outstanding Young Professional Award:

**Rafael Frias III**, Black & Veatch, Tampa, FL

President's Award for Outstanding Service:

**John Warwick** and Laura Helsel, Reno, NV

Appreciation for service on the Board of Directors:

**David Watt**, SJRWMD, Palatka, FL

*Congratulations to all!*

For more information and to become a member of the National AWRA, go to [www.awra.org](http://www.awra.org), or contact David Watt at 386-329-4355 or [dwatt@sjrwmd.com](mailto:d watt@sjrwmd.com).

## **AWRA FLORIDA NEWS**

- Florida Section Membership
- Board of Directors Summary
- Technical Program Summary
- Education Committee
- Reminders & Announcements

## **Florida Section Membership**

Since the last newsletter we have had thirteen new members join our organization! (See page 10.) Please take a few minutes to introduce yourself to the new members at the next meeting. We want them to know they joined one of the best professional organizations in the State!

Please feel free to contact me for membership questions or ideas on how we can improve service to our members. Hope to see you at the first meeting of the New Year in Gainesville, January 26, 2007.

Annette Carter, Membership Services Coordinator  
[annette.carter@tceci.com](mailto:annette.carter@tceci.com) or 772-781-3403

## **Board of Directors Summary**

- by Cathy Vogel

The Florida Section AWRA Board of Directors met in Ft. Myers on Friday, November 17th in conjunction with the Annual Conference on Water Resources in Southwest Florida. Highlights of the meeting include:

The Board membership drive seems to be paying off. Annette Carter, Membership chair, announced that the Section currently has 334 active members, closing in on President Higgins' goal of 350 active members. (A dues notice was sent out in the October edition of The Watershed, so for those who need to submit your \$20 to remain active...).

After having discussed this at several meetings, the Board decided to take action to make being an active member a true benefit. Beginning in 2007, non-members will be charged \$20 more for registration at bi-monthly meetings. However, in the spirit of the Florida Section AWRA, non-members can elect to earmark the extra \$20 to cover membership in the organization.

Jay Yingling, Section Treasurer, presented a detailed financial report. He suggested that the Board consider investing some of the Section's general funds in a savings account. Yingling will be bringing a proposed annual budget back to the Board for consideration in January. As part of the Treasurer's Report, Doug Durbin and Dave Watt presented their Investment Policy Statement for the Sanford N. Young Scholarship Fund. For the present, the Board will continue to invest the fund in short-term CDs.

Rosanne Clementi updated the Board on student activities: Six students attended the AWRA National Conference in Baltimore and presented posters/papers. The students requested \$2,500 from the Board to underwrite their expenses. (The board had budgeted \$1,000 for this purpose.) After deliberations, the Board decided to provide \$1,670 to assist the students. Gordon Brown, Student Chapter Board Member, reported that the UF Student Chapter would be publishing a paper in the JAWRA on their post-Katrina New Orleans water quality sampling project.

The following slate of officers was officially announced for 2007: Patrick Victor, President; Cathy Vogel, Vice President; Jay Yingling, Treasurer; Dave Watt, Secretary. These nominees are scheduled to be approval by the Board at the January meeting in Gainesville.

In keeping with the Section's Strategic Plan that was adopted by the Board this year, Garrett Wallace is finalizing a 2007 Work Plan that will be adopted in January.

In closing, outgoing President Higgins gave a heartfelt farewell address, noting the accomplishments of the Section over the past year and indicating how personally rewarding it has been for him to lead the Florida Section AWRA in 2006!

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### Technical Program Summary

- by Doug Durbin

The theme of the November technical meeting was "**Coastal Eutrophication and Harmful Algal Blooms**" and featured talks by seven experts in three topic areas. On the topic of Coastal Eutrophication, Dave Tomasko of PBS&J discussed "*A Temporal Overview of Estuarine Eutrophication and Why We Should Be Concerned*" and "*Dissolved Oxygen Dynamics in Charlotte Harbor and Peace River in Response to the 2005 Hurricane Season*" was presented by Randall Alberte of Florida Gulf Coast University and Eric Milbrandt of the Sanibel Captiva Conservation Foundation. On the topic of Harmful Algal Blooms, Ken Hudnell of the US EPA spoke on "*Cyanobacterial Blooms: State of the Science, Research Needs, and the Development of a National Research Plan*" and Peter Barile of Marine Research and Consulting, Inc. presented "*Case Studies of Coastal Eutrophication in Florida: Harmful Macroalgal Blooms.*" Speaking on Red Tide (a specific type of harmful algal bloom that has become a more dominant concern in Southern Florida in recent years), Larry Brand of the University of Miami Rosenstiel School of Marine and Atmospheric Science addressed the question "*Is Florida's Red Tide Increasing*" and Kellie Dixon of Mote Marine Laboratories discussed "*The Complexity of Nature and Red Tide.*"

Following the presentation of individual talks, a panel of experts addressed the Politics of Nutrient Loading and Harmful Algal Blooms. The panelists were Peter Barile (Marine Research and Consulting, Inc.), Charles Kovach (Florida Department of Environmental Protection), Roland Ottolini, P.E. (Lee County Government), and Jennifer Hecker (Conservancy of Southwest Florida), and Bill Hammond of Florida Gulf Coast University moderated the discussion. Comments from the panelists indicated that, in spite of substantial data collection, analytical efforts, regulatory solutions and public interest and involvement, eutrophication and harmful algal blooms continue to be complex phenomena that present great challenges for suitable control measures. The panel discussed the benefits and limitations of the existing regulatory structure, the balance between science and public/political policy, and the need for greater public awareness and education. While some evidence points to adverse effects of coastal

nutrient inputs on algal blooms, the patterns are not necessarily clear nor consistent, and the solutions are often excessively costly or logistically impossible.

The meeting also included a lunch speaker, Michael Grunwald – a Washington Post reporter and author of the recent book “The Swamp: the Everglades, Florida, and the Politics of Paradise.” Mr. Greenwald provided an entertaining and compelling overview of the recorded history of the Everglades, largely focusing on the various insults and impacts dealt by those attempting to convert the Everglades for human habitation, and challenges associated with recent efforts to restore some of the lost ecological functions to this unique ecosystem.

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**Education Committee Reminder**

The William V. Storch deadline is 31 March 2007.  
The JB Butler Science Grant deadline is 1 June 2007.

Please spread the word to teachers you might know that we have grant money for water resource education. Please check the web site for updates on the Sanford N. Young Scholarship.

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**Time to Renew Your Membership for 2007**

AWRA Florida Section membership dues for 2007 are due January 1<sup>st</sup>, 2007. An invoice will be sent in January to members who have not yet paid dues for 2007. If you would like to beat the rush, please use the 2007 membership application form in this newsletter, or the one on our web page at [www.awraflorida.org](http://www.awraflorida.org), to renew your membership early! Dues for both Regular and Student membership remain at \$20 and \$4, respectively. What an excellent value to belong to the only multidisciplinary association for water resources professionals!

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**Florida Section Meeting Notice – March 16, 2007**

Mark your calendars for the March 16, 2007 Florida Section meeting in Apalachicola. The February 2007 issue of *The Watershed* will provide details of this meeting.

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**Mark Your Calendars!**

The Florida Section Annual Meeting in Key West will be July 12-14, 2007 at the Casa Marina. Watch for more detailed information in February's *The Watershed*. Happy Holidays! Marji Hightower



# 2007 Membership Application

## MEMBERSHIP DUES

New  \$20 Regular   
 Renewal  \$ 4 Student

## DIRECTORY INFORMATION

Please give us the information requested below, as you would like it to appear in the membership directory.

Name: \_\_\_\_\_  
First Middle Initial Last Suffix (Ph.D., PE, PG, etc)

Company/Affiliation: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_ Box, Street or Route Suite or Apartment

\_\_\_\_\_ City State Zip Code

Daytime Telephone: \_\_\_\_\_ Area Code \_\_\_\_\_ Alternate Telephone: \_\_\_\_\_ Area Code \_\_\_\_\_

Facsimile: \_\_\_\_\_ Area Code \_\_\_\_\_ E-mail: \_\_\_\_\_

## MEMBERSHIP INTERESTS

Would you like to receive our newsletter via e-mail? Yes  No   
 Are you an AWRA National Member? Yes  No   
 If not, would you like information? Yes  No   
 Are you interested in sponsorship opportunities? Yes  No   
 Would you like to be part of a bi-monthly meeting team? Yes  No

SPONSOR/RECRUITER: \_\_\_\_\_

## PAYMENT INFORMATION

\$ \_\_\_\_\_ Annual dues (please indicate if you are paying for additional years)  
 \$ \_\_\_\_\_ Florida Section Water Resources Education Fund (tax deductible contribution)  
 \$ \_\_\_\_\_ Sandy Young Scholarship Fund (tax deductible contribution)  
 \$ \_\_\_\_\_ **TOTAL (Please make checks payable to AWRA Florida Section, THANK YOU!)**

Return application & your check to: **Annette Carter, Membership Services Coordinator  
 c/o Tetra Tech EC, Inc.  
 759 South Federal Highway, Suite 100  
 Stuart, Florida 34994**

Florida Section membership dues are due January 1 and are good through December 31. Contributions or gifts to the Florida Section are deductible as charitable contributions for federal income tax purposes. Dues payments may be deductible by members as an ordinary and necessary business expense. For membership information, please contact Annette Carter at [Annette.Carter@ttech.com](mailto:Annette.Carter@ttech.com) or (772) 781-3403.

### Section Use Only:

Date Received: \_\_\_\_\_ Check #: \_\_\_\_\_ Amount: \_\_\_\_\_





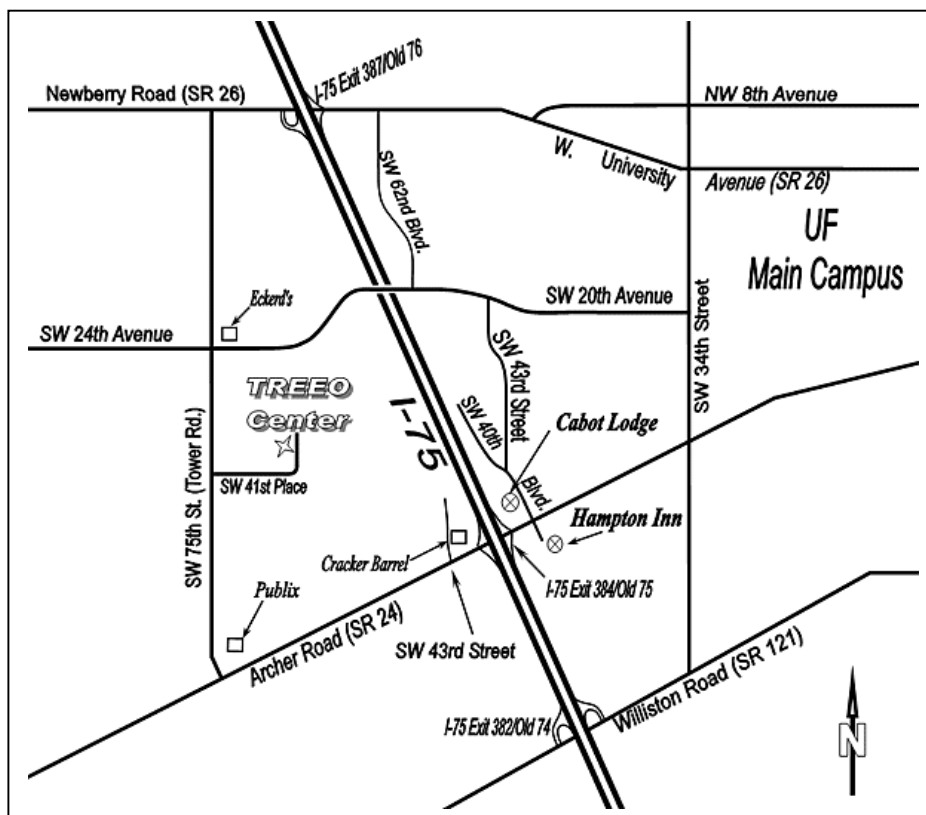
Comfort Inn West  
3440 Southwest 40th Blvd., Gainesville, FL 32608  
Phone: (352) 264-1771 • Fax: (352) 264-9996  
<http://www.gainesvillecomfort.com/>

The three-star AAA rated Comfort Inn West is newly built and offers the best in accommodations when you are visiting the Gainesville area. Less than three miles from the University of Florida campus and from both the Shands Hospital and the VA Hospital, the hotel is conveniently located at the Archer Road exit off I-75. A wide variety of restaurants are located in the immediate area. Gainesville continues to rank as one of the best places to live in the United States and its numerous parks, museums, and lakes make it a favorite destination.

All standard guestrooms include free deluxe continental breakfast, free local & toll-free calls, free high speed wireless internet, and a 25" TV with expanded cable service with HBO and HBO Plus. All guestrooms are equipped with refrigerators, microwaves, coffee makers, iron/ironing boards, and hairdryers. Other amenities include outdoor pool, 24-hour fitness center, and guest laundry.

From I-75, exit #384, go east on Archer Rd. 1/8 mile then left on 40th Blvd. Comfort Inn is 1/8 mile on the left. The Comfort Inn West is located on the same street as the Cabot Lodge (SW 40<sup>th</sup> Boulevard) on map below.

UF TREEO Directions & Map: <http://www.treeo.ufl.edu/Locations.asp>. For further directions please call (352) 392-9570 ext. 100. CAUTION: Use the TREEO map because some internet maps will give you the wrong directions. For Gainesville Parks and Attractions, visit <http://www.cityofgainesville.org/about/leisure/attractions/parks.aspx>



Meeting Sponsors as of December 11, 2006

Sponsorships and tables still available.  
Contact Carol Hinton, [chinton@treeo.ufl.edu](mailto:chinton@treeo.ufl.edu)

***Thank you to our sponsors!***



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**Integrated Water Solutions**

*Water Resource Management*





# American Water Resources Association

**Registration Deadline – January 25, 2007**

**Name:**

**Organization:**

**Mailing Address:**

**Phone:**

**E-Mail:**

Item	Cost	Number Attending	Extended Amount
Board of Directors Meeting	Dutch Treat		
Technical Session and Dinner (Member)	\$40		
Technical Session and Dinner (Non-member)	\$60		
<input type="checkbox"/> Add to Membership			
Guest Name   Guests	\$25		
Students (Member)- Pre-registered	\$0		
Students (Non-member)- Pre-registered	\$10		
<input type="checkbox"/> Add to Membership			
Students- On-site	\$10		
Sponsor a student registration	\$10		
Exhibit Table (limit of 12)	\$250		
Meeting Sponsorship	\$250		
Student Poster Sponsorship	\$ 100		
	<b>TOTAL</b>		<b>\$</b>

**Dietary Restrictions:** Contact Carol Hinton 352/392-9570 ext 209, fax 352/392-6910

**Questions?** Call Carol Hinton, 352/392-9570 ext 209, or [chinton@treeo.ufl.edu](mailto:chinton@treeo.ufl.edu)

PDH Credit for Florida Professional Engineers AWRA is an approved provider by the Florida Board of Professional Engineers (FBPE Provider No.EX00089) and offers Professional Development Hour (PDH) credit to Florida Licensed Professional Engineers. You will only receive credit if you attend the entire technical session. Please check the box below and include your PE number if you would like to obtain PDH credit.

I plan to be present for all technical sessions and would like PDH credit. My PE number is: \_\_\_\_\_

**Make checks payable to AWRA  
Florida Section and Mail to:**

Carol Hinton  
UF/TREEO  
3900 SW 63 Blvd  
Gainesville, FL  
352/392-9570 ext. 209  
352/392-6910 fax

**Sponsorship Opportunities**

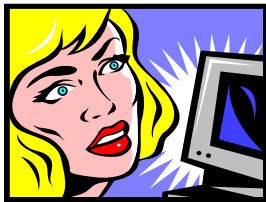
Don't miss this great opportunity to highlight your organization and network with water resource professionals and students.

*Accommodations*

[Comfort Inn West](#)  
3440 SW 40<sup>th</sup> Blvd  
Gainesville, FL 32608  
352/264-1771  
\$64.99 Standard; \$69.99 King,  
Suites 79.99-109.99  
Mention UF/TREEO for rate



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**VISIT THE FLORIDA SECTION WEBSITE AT:**  
[www.awraflorida.org](http://www.awraflorida.org)

**Contact Upcoming Meeting Chairmen Regarding Sponsorship or Assistance**

<b>Gainesville</b> January 26, 2007 Carol Hinton 352-392-9570 x209	<b>Apalachicola</b> March 16, 2007 Bill McCartney 850-656-1212	<b>Tampa</b> May 18, 2007 Doug Durbin 813-664-4500	<b>Key West</b> July 12-14, 2007 John Wehle 561-254-1792	<b>Stuart</b> September 14, 2007 Tara Bardi 561-757-0030
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**Welcome New Members!**

- Joseph Applegate, LFR, Tallahassee
- Bevin Beaudet, Palm Beach County Water Utilities, West Palm Beach
- Steve Bedosky, LFR, Tallahassee
- Hank Breitenkam, City of Plantation Utilities Department, Plantation
- Les Bromwell, Sc.D., P.E., BCI Engineers & Scientists, Jupiter
- Jenny Conner, The Nature Conservancy, Miami
- Jean Dupuis, City of Coconut Creek, Utilities & Engineering Department, Coconut Creek
- Kris A. Esterson, P.G., PBS&J, Orlando
- Mitchell L. Griffin, Ph.D., CH2M Hill, Gainesville
- Marji Hightower, St. Johns River WMD, Palatka
- John A. Jettinghoff, III, US Army Corps of Engineers, West Palm Beach
- David K. Roach, Florida Inland Navigation District, Jupiter
- Colleen Tagle, Florida Keys Aqueduct Authority, Key West

