

the Watershed

Water Resources Planning – Unique Issues
May 14, 2004

Riverside Hotel

620 Las Olas Boulevard • Ft. Lauderdale, FL 33301

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Technical Program: The conference will focus on the water resource issues involving topics ranging from local government water resources planning to NPDES permitting issues. The program will also feature a presentation on the world's largest boat show, and the water resource issues unique to planning such an event. The program will be held at the Riverside Hotel on the historic Las Olas Boulevard in Fort Lauderdale. Our dinner speaker will be Mr. Kaye Pearson, President of Show Management, Incorporated.

Location & Accommodations: Experience the charm of Fort Lauderdale's oldest hotel – totally renovated with modern rooms and amenities and a gleaming new Executive Tower. Near the airport, seaport and beach, in the middle of downtown and the trendy Las Olas shopping and entertainment district, the Riverside Hotel offers the graciousness of the Old South with the comfort and convenience of today's modern world.

A block of rooms has been reserved for Friday evening, May 14, at a discounted group rate of \$100/night plus taxes. Please reserve rooms by May 3rd to take advantage of the group rate. Call toll free (800) 325-3280 and indicate that you are with the American Water Resources Association. www.riversidehotel.com



2004 Meetings: January 30 Jacksonville; March 26 Havana; May 14 Ft. Lauderdale; July 29-31 Key West; September 17 Ft. Myers; November 1-4 National Meeting in Orlando & FL Section Meeting November 2



AWRA Florida Section Meeting
Friday, May 14, 2004
Riverside Hotel • Ft. Lauderdale, FL
620 Las Olas Boulevard

Water Resources Planning – Unique Issues



Noon – 2:00 pm

Board of Directors' Meeting – Members Welcome
Abeona Board Room (Box Lunches)

Registration

3:00 – 6:00 pm

Technical Program

2004 Legislative Session Recap

**Broward County Integrated Water Resources
Management Plan**

The “S-9 Case” and NPDES Permitting

AWRA Website: New and Improved

6:00 pm

Reception & Networking
Garden Patio (weather permitting)

7:00 – 9:00 pm

Dinner, Champ Carr Room

Keynote Speaker: Mr. Kaye Pearson, President
Show Management, Inc.

Show Management produces over 200 boat shows and other events annually, the most spectacular of which is the Ft. Lauderdale International Boat Show. The largest boat show in the world, the Ft. Lauderdale extravaganza showcases the famous “mega-yachts,” attracting buyers from countries near and far. Join Mr. Pearson as he shares the secrets of presenting an international MEGA-event.

Saturday, May 15 – Explore the heart of Las Olas Boulevard (<http://www.lasolasboulevard.com/>)



AWRA Florida Section Meeting
 Friday, May 14, 2004
 3:00 pm - 6:00 pm
 Riverside Hotel • 620 Las Olas Boulevard
 Ft. Lauderdale, FL

Registration Form

Registration Deadline – May 11, 2004
Hotel Reservation Deadline – May 3, 2004

Name _____

Organization _____

Mailing Address _____

Phone _____

E-Mail _____

Guest Name _____

Make checks payable to AWRA Florida Section and mail to:

Ms. Cathy Vogel	Registration (Includes Dinner)	_____	X \$45 =	\$ _____
AWRA FL Section	Student w/ ID (Includes Dinner)	_____	X \$25 =	\$ _____
2600 Alarka Street	Dinner Only	_____	X \$35 =	\$ _____
Miami, FL 33133				
Email: catpg@aol.com	TOTAL	_____		\$ _____

PDH Credit for Florida Professional Engineers

We have been approved by the Florida Board of Professional Engineers (FBPE provider # EX00089) to offer Professional Development Hour (PDH) credit to Florida registered 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 _____.

Accommodations:

A block of rooms has been reserved for Friday evening, May 14 at a discounted group rate of \$100/night plus taxes. **Please reserve rooms by May 3rd** to take advantage of the group rate. Call toll free to (800) 325-3280 and indicate that you are with the American Water Resources Association.

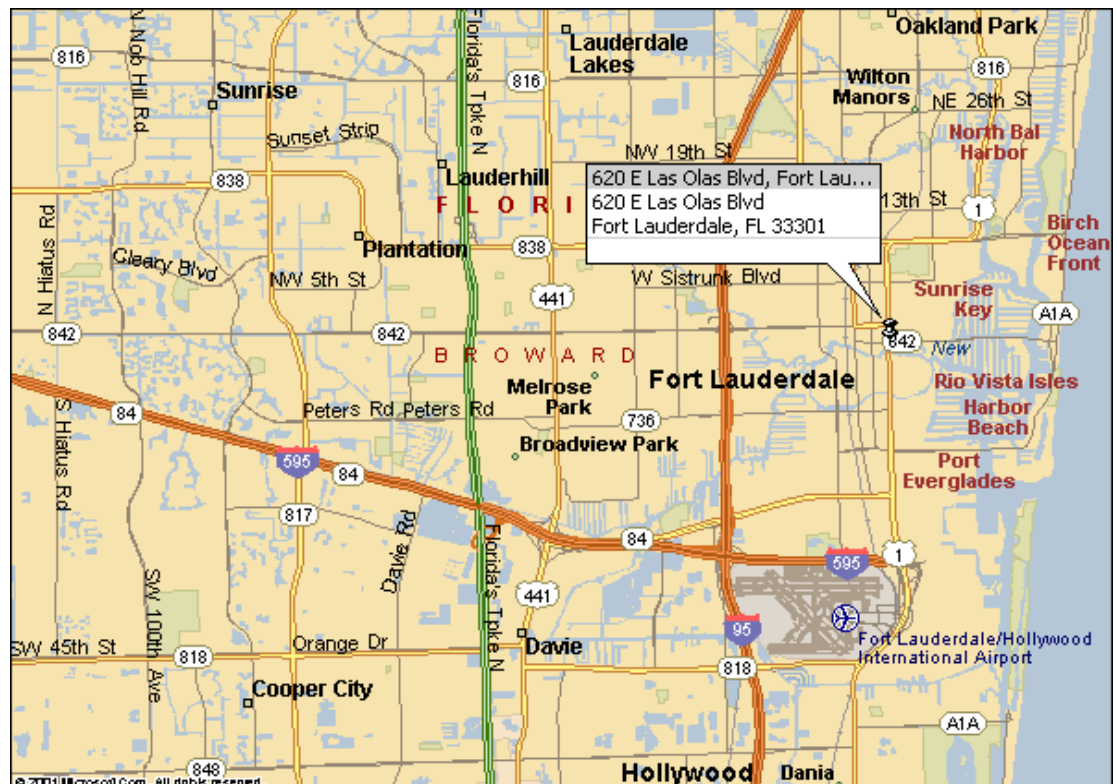
Directions:

From I-95: Exit Broward Blvd. East to S.E. 8th Ave. Go right, crossing Las Olas Boulevard, to the Riverside Hotel entrance on your right, before the stop sign. Take driveway to East Hotel Entrance and valet park.

From Turnpike: Exit Sunrise Blvd., go east to Andrews Ave., go south (right turn) to Las Olas Blvd., turn left on Las Olas Blvd. to S.E. 8th Ave. to Riverside Hotel entrance on your right before the stop sign.



Our meeting will be held at the historic Riverside Hotel, on the waterfront, in downtown Ft. Lauderdale. If you haven't been to Ft. Lauderdale lately, you haven't been to Ft. Lauderdale. Located in the heart of Las Olas, the Riverside Hotel is nestled in the midst of the shopping, dining and entertainment district of this cosmopolitan setting. Its convenient location affords quick access to water taxis so you can explore all there is to see and do in greater Ft. Lauderdale!





AWRA NATIONAL NEWS

The Spring Specialty Conference is quickly approaching. It is May 17-19, 2004 in Nashville Tennessee on GIS and Water Resources. It will be an excellent conference, and in a great location. Take a look at the AWRA Webpage for details.

We are continuing to move forward in our planning of the Annual Conference being held this year in Orlando in November. Look for a Call for Papers soon, and send in your best stuff. Don't tell anyone but I know the Technical Chair. If you would like to help, call John Wehle or Steve Nix. The more the better.

Our President, Bob Moresi, has been invited to be the Plenary Speaker at the Indiana AWRA State Section's 25th Anniversary conference being held in Valparaiso, Indiana June 23-25, 2004. He will speak on the association's history, the Florida experience, and water resources in the future.

I want to personally invite anyone not belonging to the National association to join, and reap the benefits of two excellent publications, job opportunities, and technical committee participation, informational exchanges, and in a friendly atmosphere that will provide professional support throughout your career. Go to the State or the National Webpage for an application.

If you have any questions, or would like to discuss any National matter, please call me at 813-207-7934, or email me at moresirj@bv.com. I look forward to hearing from you.

- Bob Moresi

AWRA FLORIDA NEWS

- AWRA FL Section Directory - 2004
- Board of Directors Meeting Summary
- Technical Program Summary
- Education Committee Announcements
- Student Chapter Information

The 2004 Directories are Here!

The 2004 membership directory is coming your way! Thanks to **Patrick Victor** and the staff at **CDM** who solicited sponsors and coordinated with our printer. Most members should have received their copies in the mail by now. If you have not received a directory or have comments about your listing, please contact David Watt at 386-329-4355 or [dwatt@sjrwmd.com](mailto:d watt@sjrwmd.com)

We already have our first revisions! Douglas Skiles joined us at the Jacksonville meeting, but his listing was left out! Please see his information below and add it to your directory. Future corrections/revisions will be given in later editions of this newsletter as we receive them.

Douglas L Skiles PE
The Haskell Company
111 Riverside Avenue
Jacksonville FL 32202
Voice: 904-791-4597
Fax: 904-475-7873
Email: Douglas.skiles@thehaskellco.com

March Board of Directors Meeting Summary

By Gail Murray

The March 2004 board meeting was held at Nicholson Farm House Restaurant, Havana, FL. Provided below are highlights of some of the items discussed at the meeting

- Mike Mesiano presided over the meeting.
- Patrick Victor, Treasurer, advised us that the organization was still doing well financially.
- Dave Watt was happy to inform us that we have 298 active members.
- A draft Membership directory was passed around for the board members to view. The Directories should be in the mail soon. **Thank you Dave, Patrick and CDM...**



- JB Butler grant has been advertised. Contact Roseanne Clementi if you know of someone who may want an application. We discussed offering two \$1000 scholarships for the Storch awards.
- The Board is moving closer to hiring webmaster company to take over the web page. **Be on the lookout for a new and exciting web page!**

March Technical Program Summary

Total Maximum Daily Loads (TMDLs)

I apologize in advance for the length of this summary but a number of issues and uncertainties surrounding the TMDLs process were well addressed by the panel participants.

James Alves: Attorney, Hopping Green & Sams

Mr. Alves, who represents various clients potentially affected by the TMDL program, presented an overview of the program. The three primary elements of the program are 1) listing impaired water that don't meet water quality standards or their use classification (e.g., swimmable, fishable), 2) establishment of TMDLs that set assimilation capacities and allocation of loadings, and 3) implementation of the TMDLs. The implementation phase is the least defined and is more difficult for non-point sources than point sources that require NPDES permits. Debates over whether technology-based or ambient quality-based solutions were most appropriate caused long delays in the startup of the program over which the EPA has the oversight and implementation responsibility under the Clean Water Act. Delays and EPA's technology-based approach resulted in litigation. Congress's wariness of dealing with non-point sources and lack of guidance in the Clean Water Act on issues dealing with how much data are required, how good the data have to be, and due process issues, complicated the process. Florida adopted TMDL legislation (Chapter 403.067) in 1999 which became the model for the nation in dealing with TMDLs at the state level. Several lawsuits and appeals have resulted from the listing phase of the program in Florida and some are still under appeal but the process is moving forward. The EPA may have to develop TMDLs for some water bodies that the State decided not to list. Mr. Alves sees a problem in whether and how municipal stormwater systems will have to meet effluent standards.

Eric Livingston: Bureau Chief, Watershed Management, Water Resource Management, Florida Department of Environmental Protection

Mr. Livingston has primary responsibility for the development of Florida's TMDL program. One of the issues that generated much of the legal challenges to Florida's TMDL program is that at the time that the original 1998 list of impaired waters was developed, there was no legal ramification to the water bodies being placed on the list. Only best professional judgment was required, not statistically sound data. This has plagued the program in terms of developing defensible TMDLs and which water bodies to maintain on the list. The big issues in developing TMDLs are rapid growth, increasing pollutant loads and hydrologic changes that increase runoff. Dealing with these changes may require that post-development site discharge and recharge must equal pre-development discharge and recharge in some basins. What will halt development are not water quality issues, but water quantity issues. Programs may have to focus on getting water back into the ground. Other significant issues include: the difficulty of setting effluent-based limits for stormwater due to modeling difficulties; water quality standards and use classifications that are not designed for protecting water bodies – but are designed for issuing discharge permits; whether more discharges be allowed once a water body is listed; and the adequacy of bacteria standards. Concerning load allocations, Mr. Livingston indicated that they will have to be adopted by rule and they must be reasonable and equitable. Non-point source allocations will be detailed in basin plans. Additional information on the TMDL program and schedules can be found at <http://www.dep.state.fl.us/water/watersheds/index.htm>.

Richard Budell: Assistant Director, Office of Agriculture Water Policy, Florida Department of Agriculture and Consumer Services

Mr. Budell indicated that DACS became involved in the TMDL process as a result of the 1999 Watershed Restoration Act. The agricultural aspects of TMDL compliance were delegated to DACS because of their working relationship with agriculture. Their main focus is on the development of affordable best management practices (BMPs). An early focus of the program is working cooperatively with landowners in the SRWMD to recruit cooperators to implement BMPs to protect springs in the area. It will take some time to determine the effectiveness of the BMPs as the travel time to the springs is approximately 20 years. BMPs that are developed must be adopted by rule. Growers receive a checklist to identify weaknesses of their program and choose to adopt one or more of 65 practices to enter the program. Participating growers have to report what BMPs they'll implement and the timetable for implementation. The benefit to growers of participating is a waiver of liability for impacting drinking water wells. They also get a presumption of meeting TMDLs whether they meet the standard or not. All of this BMP data will be loaded into a database on a land parcel level for further analysis to see how well the BMPs are working. A significant issue is determining the pollutant load removal efficiency of BMPs. For now the program is voluntary. However, if after a reasonable period of time (which is not yet defined), water quality standards are not being met, DEP and DACS must modify the BMPs or may require that a minimum number of BMPs be implemented by all. There may be some water bodies where they may not be able to achieve TMDLs with standard BMPs because of changes in hydrology (such as the Okeechobee basin). They are also working on water conservation issues that could have both water quality and quantity benefits. A model that will allow growers to access and model fertilizer and irrigation reductions is in the early stage of development. They hope that early stakeholder involvement in the development of BMPs will result in few rule challenges.

Jeff Vowell: Florida Division of Forestry, Florida Department of Agriculture and Consumer Services

Mr. Vowell's presentation focused on silvicultural BMPs. Mr. Vowell indicated that 47% of Florida is still forested but acreage is on the decline. Of that acreage, 20% is public, 30% is forest industry owned and 50% in private, non-forest industry owned. The principle impacts of forestry are sedimentation and nutrients in stormwater due to road construction, stream crossings (bare soil roads), intensive site preparation for planted forests, and fertilization (2 – 3 times per 20-year rotation in intensively managed forests). Silvicultural BMPs were first developed in 1979 and were revised in 1993, 2000, and again in 2003. The Division of Forestry conducts BMP training consisting of annual workshops, workshops on request, master logger programs and landowner programs – about 25 – 30 workshops per year. The Division also conducts a BMP compliance-monitoring program. Biennial statewide surveys include random site evaluations to see if participants are actually following practices. In coordination with the DEP, they are also conducting BMP effectiveness monitoring. Reports to date indicate that the BMPs are effective in protecting water quality and aquatic ecosystems. Chapter 403.067, F.S., authorizes the Division to adopt BMPs by rule and they have a presumption of compliance when adopted. The BMPs were adopted by rule under Rule 516 with an effective date of February 11, 2004. To be in compliance, a participant must submit a notice of intent, implement BMPs, and maintain records to verify compliance. They are currently working on a Model Basin Management Plan in the Orange Creek Basin where 40% of the acreage is in intensive forestry. The plan consists of four steps: 1) historical BMP compliance analysis, 2) current BMP survey (overflights), 3) training and education, and 4) continuous monitoring.

Jay Yingling: Senior Economist, Planning Department, Southwest Florida Water Management District

Mr. Yingling presented the results of a project conducted by an economics graduate student intern, David Carter, who is currently employed by the National Marine Fisheries Service in Miami. The project objectives were to:

- 1) Design a spreadsheet model that (a) selects non-point BMPs based on watershed characteristics and (b) determines least cost BMP configurations to meet Pollutant Load Reduction Goals (PLRGs).
- 2) Apply the model to determine least cost BMP configurations to achieve a PLRG for the tidal reaches of the Peace River watershed (38,500 lbs. total nitrogen), and Review areas for improvement in economic modeling of non-point source control strategies and introduce potential directions for future PLRG incentive research.

The model was developed in 1999 using Lotus 1-2-3 software with What's Best! optimization software. The model works in two stages. The first determines the amount of land appropriate and available in each of the nine basins for various types of BMPs. The second stage determines the least cost mix of BMPs to meet the reduction goal by restricting BMP placement according to available land to achieve: 1) total load reduction in a single basin, 2) specified shares of load reduction by basin, or 3) unrestricted location of BMPs to meet the load reduction. Model scenario A assumed that 100% of the load reduction achieved anywhere in the watershed would be fully measurable in the tidal reaches of the Peace River. Model scenario B assumed that, due to assimilation, the further away from the tidal reaches of the river that BMP was located, the less of the reduction in nitrogen reduction is measured in the tidal reaches. Each scenario required 11 model runs or cases. For Cases 1 – 9, the entire PLRG is achieved in a single basin. For Case 10, a portion of the reduction goal was allocated to each of the 9 basins in proportion to its share of TN loadings. For Case 11, the model was allowed to choose the cost minimizing solution without any restriction on how much reduction had to occur in any one basin. Three types of BMPs were employed: 1) treatment areas (constructed wetlands, wet ponds, extended detention ponds, swales, infiltration and exfiltration), 2) vegetated filter strips, and 3) livestock exclusion (fencing streams with replacement water source). Under both Scenario A and B, and in most cases, the use of BMPs on pasture/range land was generally the least cost solution. The unrestricted load allocation solution was generally the least expensive and the PLRG could often be achieved in a single basin rather than the relative load reduction share cases. The model also revealed the potential impact of assimilation on the cost of achieving the reduction goal. Scenario A solutions were generally less expensive than Scenario B solutions. The implications of the model results are that, under a shared allocation scenario, it may be more cost effective for urban basins to finance reductions in non-urban basins. Further research on the amount of load reduction in upper basins that is measurable in lower basins is warranted. Livestock exclusion from streams may yield the most cost-effective solutions. Conservation easements on streams may yield multiple long-term benefits. Both warrant further investigation.

- Jay Yingling

Education Committee Announcements

J. B. BUTLER SCIENCE GRANT

The 2004 JB Butler Science Grant has been advertised since December 2003. We have had several inquiries and now have one proposal in hand. We intend to award at least 5 grants at \$350. If you have children in public or private school K-12, talk to the teachers at their school and tell them about this grant.

WILLIAM V. STORCH STUDENT AWARDS

Each year we provide the Student Chapters with financial support of \$500. The active chapters have received their support for 2003-2004. We have mentor support for each university. Please email Rosanne Clementi at rclementi@sesi.cc or call (813) 752-1289, if we can provide other assistance.

In addition to the monetary assistance for the Student Chapter, the Section is offering a scholarship of \$1000 to two university students for 2004. The selection criteria for an undergraduate will be for the most qualified by academic performance. Measures of academic performance include the cumulative grade point average, relevance of the student's curriculum to water resources and leadership in extracurricular activities related to water resources. The criteria for a graduate student will be for the most qualified by academic and/or research performance. The measures of academic performance will be identical to those described for the undergraduate criteria with the addition of the quality of the student's research and its relevance to water resources. Scholarships will be awarded in August 2004. Applicants should prepare a title page and two-page summary of their academic interests and achievements, extracurricular interests and career goals as they relate to the above selection criteria. The application must also include a letter of reference, preferably from a professor or advisor, a transcript of all college courses and the applicant's full name, permanent mailing address, email address, and a reliable phone number. ***The deadline for applications will be 30 June 2004.***

Mail your applications to:

Rosanne Clementi
Southeast Environmental Solutions, Inc.
801 North Park Road
Plant City, FL 33563

SILENT AUCTION

We are going to begin preparing for the third annual silent auction at the Key West meeting, 29 and 30 July 2004. If you wish to donate a bottle of wine, art objects, etc., please email Rosanne Clementi at rclementi@sesi.cc. If you were a donor last year, you can count on hearing from me. Help us make this an even bigger success than last year's!

University of Florida AWRA Student Chapter 2004 Update
- Gordon Brown, UF AWRA President

In the Fall 2003, we set out to re-establish the AWRA chapter here at UF. After an initial semester of paperwork, we were officially re-activated in December 2003. We had a few planning meetings last fall to decide what we wanted to accomplish as a student organization. We concluded that we would be a success if each semester we brought in 1 speaker, performed 1 community service event, and sponsored 1 social activity.

Goals Accomplished for 2004:

Speakers: We brought in Chris Brown from the Army Corps to speak on the ASR (Aquifer Storage & Recovery) plan in the CERP (Comprehensive Everglades Restoration Project). Chris has worked for the Army Corps for 13 years and is now also working on his PhD at UF on ASR. The work is focusing on maintaining Lake Okeechobee levels through wet and dry periods by using the aquifers as a storage unit for injection & withdrawal. (http://www.evergladesplan.org/pm/projects/pdp_32_33_34_44_asr_combined.cfm#projdocs).

Community Service Activities:

- On February 24th & 25th, we setup a table at the UF Science & Engineering Fair (E-Fair) to educate K-12 students on Water Resources. We borrowed Alachua County Environmental Protection (ACEP)'s surface water EnviroScape model to demonstrate the effects of different land uses on surface water quality. Seven members worked with approximately 150 students over the 2 days.
- On March 27th, 7 members embarked to Melrose, FL to participate in the Sante Fe Lakefest and Clean-up. In 3 hours we collected 83 lbs of garbage and 106 lbs of recyclables. This was one of the Keep Alachua Beautiful activities sponsored by ACEP and Adopt-a-River for the Great American Clean-up (GAC 2004). (Pictures follow update.)

Bring in a Recruiter: On April 13th, 2004 we will be co-sponsoring the EES (Environmental Engineering Sciences) Unified Club meeting for the AWRA, AWMA, SEE, and FWEA clubs. The recruiter, speaker, and co-sponsor will be Jones Edmunds & Associates.

Website on-line: (<http://grove.ufl.edu~awraawra>).

Goals In Progress for 2004:

Social event: In the works for May is a weekend camping/canoeing trip to one of our local springs. We are also trying to arrange a social at the AWRA national meeting in November.

Gather UF speaker & poster presenters for the AWRA National Meeting in November: We hope to have a strong presence at the meeting with club and college representatives from Agricultural, Civil, Environmental, and Ecological Engineering as well as Soil & Water Science, and Geology. We have been actively recruiting students to join the club and submit abstracts by May 7th, 2004.

Attend State Meetings: We were able to attend the Jacksonville meeting in January and hope to make at least the Key West meeting in July.

Design & build a weir for the UF SEEP: We are volunteering in the design and construction of a flow-control structure to be built in the Stormwater Ecological Enhancement Project (SEEP) in the Natural Area Teaching Laboratory (NATL) at the University of Florida. This is a stormwater retention basin that has previously been

enhanced for species diversity while optimizing the basin's use for research and education. The goal of the weir is to allow a portion of the SEEP to be managed much like a constructed treatment wetland and to provide field experience in flow measurement to students.

Overall, the club has grown and been supported by students and faculty far beyond our expectations. We want to thank the AWRA Florida Section for their scholarship and support. Furthermore, our Faculty Advisor, **Jim Jawitz** from UF's Soil & Water Science Department, and our State AWRA Liaison, **Allan Biddlecomb** provided invaluable direction, guidance, and support throughout the academic year. Thank you all.

UF AWRA members at Sante Fe Lakefest & Cleanup, March 27th, 2004



Helping Shape Florida's Future.

Meeting Sponsors:

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2004 Membership Application

MEMBERSHIP DUES

New \$10 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

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

For membership information, please contact David Watt at (386) 329-4355 or [dwatt@sjrwmd.com](mailto:d watt@sjrwmd.com)

PAYMENT INFORMATION

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

Return application & check to: **David Watt, Membership Services Coordinator**
P.O. Box 1823
Palatka, Florida 32177

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.

Section Use Only:

Date Received: _____ Check #: _____ Amount: _____



AWRA Newsletter Editor:

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VISIT THE FLORIDA SECTION WEBSITE AT:
www.awraflorida.org

Contact Upcoming Meeting Chairmen Regarding Sponsorship or Assistance

Ft. Lauderdale
May 14, 2004
C. Vogel/J. Fumero
305-577-7722

Key West
July 29-31, 2004
John Wehle
386-329-4214

Ft. Myers
Sept. 17, 2004
Hamel/Edenfield
863-675-2180

Orlando
National Mtg
Nov 1-4
FL Sec – Nov 2

Welcome New Members!

Sarah M. Anderson, University of Florida Student, Gainesville
Diane L. Bondehagen, University of Florida Student, Gainesville
Gordon H. Brown, University of Florida Env Eng Student, Gainesville
Chuck Burns, Tetra Tech CR Inc., Winter Springs
Joseph J. Delfino, Ph.D., University of Florida Dept. of Env Eng Sciences
Michael D. Doyle, Pratt & Whitney, Jupiter
Darrel E. Dunn, Ph.D., P.G., Broward Co. Dept. Plng & Env Prot, Ft. Lauderdale
Armin Feldman, J.D., University of Florida student, Gainesville
Adrian D. Fure, University of Florida Env Eng Student, Gainesville
Thomas E. Lodge, Ph.D., T. E. Lodge Ecological Advisors, Inc., Coral Gables
Anne T. Moore, SJRWMD Governing Board, Florida Mfg. Company, Daytona Beach
Julie C. Padowski, University of Florida Student, Gainesville
Ki-Hong Pak, Watershed Concepts, Jacksonville
Douglas L. Skiles, P.E., The Haskell Company, Jacksonville
Brooke E. Sprouse, University of Florida Student, Gainesville
Joseph B. Stewart, St. Johns River WMD, Palatka
Brooke L. Talley, University of Florida Student, Gainesville
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