

the Watershed

AWRA Key West 2004
Wyndham Casa Marina Resort
July 29-31, 2004

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Technical Program: Join us for the Florida Section's "Southern Most" meeting in Key West July 29-31, 2004. This year's technical speakers have vast experience in a wide variety of water resource topics, and you don't want to miss the always informative panel discussion to find out "What's the Latest? – What's Expected?"

The EcoTour will be snorkel only again this year and will be sailing from the Wyndham Casa Marina Pier. The catamaran will be going approximately seven miles offshore to the National Marine Sanctuary's Living Coral Reef. This is a great trip for snorkelers of all ages.

Location & Accommodations: The Wyndham Casa Marina Resort is full. Please see the alternate hotel information provided.

If you would like to check out the Wyndham Casa Marina Resort, you can visit their website at <http://casa-marina.wyndham-hotels.com/>.

Included in the National Historical Registry, Wyndham Casa Marina Resort is located on the



largest private beach in Key West and measures 1100 feet (335 meters). First constructed in 1920 by the railroad tycoon Henry Flagler, Wyndham Casa Marina Resort & Hotel - Key West, Florida FL has provided cultural escapes to generations of artists, dignitaries and personages of the highest rank. Modern accents such as high-speed Internet lines are also included in this classic paradise. The hotel's mini-bar assures that guests never go thirsty. The elegant furniture will make guests feel at home, while the luxurious bed guarantees nights of fantasy.

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 Key West Meeting
July 29-31, 2004
1500 Reynolds Street • Key West, FL**

Tentative Meeting Agenda

Thursday, July 29, 2004

**11:00 a.m. – 1:30 p.m. AWRA Board of Directors' Meeting
Registration**

MEETING AGENDA

1:30 p.m. – 5:30 p.m. Technical Program
Note: Silent Auction items on display in the back of the room

1:30 p.m. Introduction – Call to Order
John R. Wehle, MWH

**1:45 p.m. Assessment of Sediment Quality in the SJRWMD:
An Important Component of Managing Freshwater Systems**
Greg Durrell, Sr. Scientist, Battelle

2:15 p.m. Evaluation of Emerging Tracer Technologies
Kathleen O'Neil and Kris Esterson, SE Region BEM Systems, Inc.

2:45 p.m. Florida Stormwater BMPs: Facts and Fiction
Stephen R. Lienhart, P.E., Vice President, URS Corporation

**3:15 p.m. A Cost-Effective Strategy for Extracting Pore Water;
Sipper vs. Centrifugation Method**
Randy Keyser and Patrick Zuloaga, Tetra Tech FW, Inc.

3:45 p.m. Water Management Institute: Update on Activities
Bob Higgins, P.E., President, Higgins Engineering, Inc.
Len J. Lindahl, P.E., LBFH, Inc.
Todd Wodraska, Emerge Consulting

4:15 p.m. Seashore Paspalum: Turf that is Friendlier to the Environment
Mike Vanatta, International Sales Director, Environmental Turf, Inc.

4:45 p.m. Title to be Determined
Bart Livolsli, Salomon Smith Barney

5:30 p.m. – 7:30 p.m. President's Welcome Reception

Agenda continues to next page



**AWRA Florida Section Key West Meeting
July 29-31, 2004
1500 Reynolds Street • Key West, FL**

Tentative Meeting Agenda

(Continued)

Friday, July 30, 2004

- 8:00 a.m. Call to Order & Announcements**
John R. Wehle, MWH
- 8:15 a.m. The Unanticipated Consequences of Purposive Water Policy**
Harold V. Aiken, P.E., Vice President, MWH
- 8:45 a.m. Aquacalma Project: Reflecting on a Public-Private Water Resource Project**
Ragan Phillips, Vice President and General Manager, Aquacalma, LP
- 9:15 a.m. History of Water Management in Florida – Project Update**
Dave Fisk, Assistant Executive Director, SJRWMD
- 9:45 a.m. What's the Latest? – What's Expected?**
Colleen Castille, DEP Secretary – Invited
Denver Stutler, Chief of Staff EOG – Invited
Henry Dean, Executive Director, SFWMD
Dave Fisk, Assistant Executive Director, SJRWMD
Dave Moore, Executive Director, SWFWMD
Dave Still, Assistant Executive Director, SRWMD
Moderator: John R. Wehle, MWH
- 12:45 p.m. – 4:30 p.m. EcoTour – Depart from Casa Marina Pier**
- 5:30 p.m. Reception on Ballroom Patio**
- 6:30 p.m. Caribbean Luau and Program**

Saturday, July 31, 2004

Board of Directors



AWRA FL Section Meeting
 July 29 - 31, 2004
 Wyndham Casa Marina Resource
 1500 Reynolds Street
 Key West, FL

Registration Form

Registration Deadline – July 16, 2004

Name _____

Organization _____

Mailing Address _____

Phone _____

E-Mail _____

Guest Name _____

Make checks payable to AWRA Florida Section and mail to:

Ms. Marji Hightower AWRA FL Section Post Office Box 186 Palatka, FL 32178	Registration (Includes Dinner) _____ X \$70 = \$ _____ Students _____ X \$40 = \$ _____ Guests – Luau Only _____ X \$40 = \$ _____ Children under 12 (if dining) _____ X \$20 = \$ _____ Snorkel Field Trip (per person) _____ X \$25 = \$ _____ TOTAL _____ \$ _____
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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 _____.



AWRA KEY WEST 2004

Wyndham Casa Marina Resort
1500 Reynolds Street • Key West, FL
(800) 626-0777 or (305) 296-3535

The Wyndham Casa Marina Resort is full.
Alternate hotel contact information is provided below.

Sheraton Suites Key West
2001 S Roosevelt Blvd
Key West FL 33040
(305) 292-9800

DoubleTree Grand Resort
3990 S Roosevelt Blvd
Key West FL 33040
(305) 293-1818

Courtyard by Marriott
3420 N Roosevelt Blvd
Key West FL 33040
(305) 294-5541

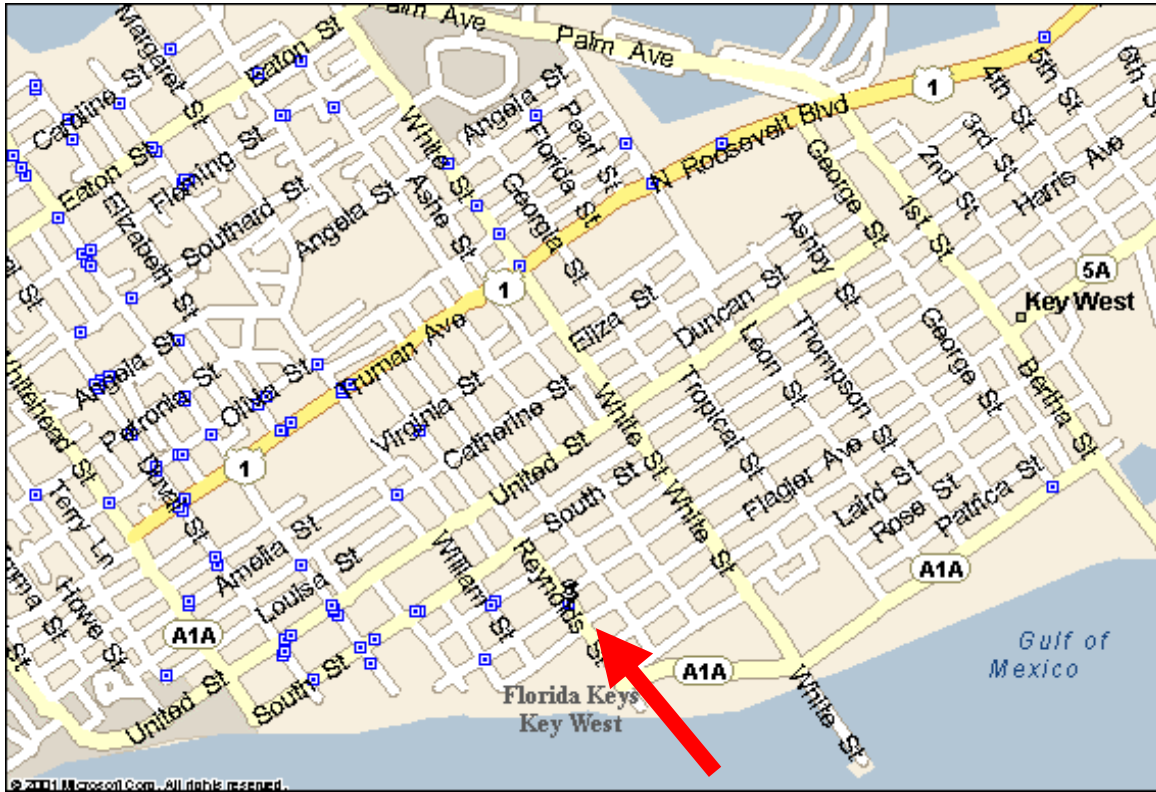
Duval House
815 Duval Street
Key West FL 33040
(305) 292-9491

EcoTour Information

The EcoTour will be snorkel only again this year and will be sailing from the Wyndham Casa Marina Pier. The catamaran will be going approximately seven miles offshore to the National Marine Sanctuary's Living Coral Reef. This is a great trip for snorkelers of all ages. Space is limited – so don't delay. The Snorkel Ecotour registration is \$25.00 per person.

The registration deadline is July 16, 2004
There will be no refunds after Friday, July 23, 2004.

Location of the Wyndham Casa Marina Resort





AWRA NATIONAL NEWS

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 (See Below)

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

Membership Directory Revisions

Please incorporate the revisions shown below into your membership directory. If you have not received a directory, or have comments about your listing, please contact me.

David Watt, Member Services, 386-329-4355, [dwatt@sjrwmd.com](mailto:d watt@sjrwmd.com)

Page v and 7

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Page vi and 27

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Tetra Tech FW Inc

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From the Education Committee
– *Rosemarie Clementi*

Do not forget we will have a spectacular Silent Auction in Key West. It is not too late to donate money (please) or items for the auction.

Board of Directors Meeting Summary

– by Gail Murray

The May 2004 board meeting was held at Riverside Hotel, Ft. Lauderdale 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 and all necessary IRS and State reports have been filed.
- Dave Watt was happy to inform us that we have 307 active members. **Keep up the good work everybody!!!**
- Directories have been sent out. If you did not get one, please let Dave Watt know... **Thank you Dave, Patrick and CDM...**
- John Fumero discussed the work completed to date by the webmaster we hired. It looks really good. **Remember:** www.awraflorida.org
- The Board is working on revising and updating the by-laws. We are working with Kristen Bennett and John Fumero.
- 2004 meeting locations and chairpersons:
 - **July 29-31, 2004 – Key West**, John Wehle;
 - **September 17, 2004 – Ft. Myers**, Ron Hamel and Ron Edenfield;
 - **November 1-4 National Meeting – Orlando**, FL Section meeting Nov. 2.

Thank you Chairpersons for the great meeting. Please give a around of applause for John Fumero, Cathy Vogel and Kristen Bennett (pictured).



May 14, 2004, Technical Program Summary

– by Jay Yingling

2004 Legislative Recap

Eric Olsen, Esq., Hopping Boyd Green and Sams:

Mr. Olsen indicated a significant bill to pass was HB 293, which addresses: a statewide water utility conservation program, water conserving rate structures, conservation plans, standards for landscape ordinances, water management district control and funding of reclaimed water projects, reclaimed water project feasibility studies, links between local government comprehensive plans and regional water supply plans, and water use permit durations. The bill to transfer Highlands County from the SWFWMD to the SFWMD was also passed.

Jennifer Fitzwater, Office of Legislative Affairs, FDEP:

Ms. Fitzwater primarily addressed water resource-related funding bills. Programs considered to be well funded included: Everglades restoration, Florida Forever, Lake Okeechobee, Florida Keys wastewater projects, and the Florida Oceans Initiative. HB 989 was passed and provides for a no-fee general permit for the paving and maintenance of county roads. Significant water resource-related bills that did not pass would have addressed the “water reservations” provisions of Section 393 F.S. and the Piney Point and Mulberry Phosphate mine clean ups. A major topic of next year’s session will be who pays for water resource development. Last, but not least, Ms. Fitzwater crushed the spirit of the audience by announcing that, yet again, the legislature failed to designate a “state rock.”

Broward County Integrated Water Resources Policy (IWRP)

John Crouse, P.E., Broward County:

Broward County faces a potential water shortfall of 98 MGD in 2025 relative to currently permitted sources. The challenge in planning for the future is the myriad of local governments, drainage districts and utilities. The challenge is being addressed through development of a countywide IWRP. The IWRP has 4 primary components: secondary canals, natural systems, utility coordination and policy outreach. The largest problem is too much rain in some places and not enough in others. This is further compounded by the decline in agricultural irrigation resulting in lowered water tables. Better integration of canal systems, storage and transport of water will be the key.

The S-9 Case: SFWMD vs. Miccosukee Tribe of Indians of Florida

Scott Glazier, Esq., Litigation Manager, SFWMD:

The Miccosukee Tribe and Friends of the Earth sued SFWMD claiming it needed a NPDES permit to operate the S-9 canal structure. A lower court ruled against SFWMD and SFWMD appealed. This was an important case as it could affect any agency that transports water, whether or not it had an effect on the quality of the water being transported. The 11th Circuit Court of Appeal indicated the lower court ruling failed to consider public interest aspects of flood control but upheld the NPDES permit requirement. The case progressed to the U.S. Supreme Court. The Supreme Court vacated the ruling requiring an NPDES permit indicating the District did not cause the pollution – it was already there. Many issues were unresolved and the Tribe is requesting a re-hearing.

Ken Spillias, Esq., Attorney, Lewis Longman & Walker, PA:

A number of interesting concepts were established in the Supreme Court. A point source need not be held as the original source of the pollution. Without pumping, West Broward would flood and the polluted water would flow back into the conservation area so it is a single body of water. The result is that the need for an NPDES will in part depend on whether the two water bodies are really one or separate.

AWRA Florida Section Website

Rob Anderson: Forte Interactive:

Mr. Anderson’s firm was retained by the Section’s Board of Directors to design and maintain the Section’s new website. Mr. Anderson described many of the automated features of the new website that will allow more frequent and less costly updates to the website. Use tracking and on-line options were also addressed.

DriWater Time Released Water

Chuck Burns, P.E., Senior Engineer, Tetra Tech CR Inc.:

DriWater is containerized 98% potable water and 2% vegetable gum in a gel form. A primary use is in the establishment of plants where other water sources are not readily available or access is limited. Natural soil enzymes consume the vegetable gum at the open surface of the gel and the water is slowly released. When it rains and the soil is moist, the enzymes move away from the gel interface and return again when the soil is dry. The gel comes in many sized containers. Mr. Burns provided cost and number of containers per-plant-size information.

Key West 2004 SPONSORS

AQUAFIBER TECHNOLOGIES

**BCI ENGINEERS & SCIENTISTS, INC.
TETRA TECH FW, INC.**

**BLACK & VEATCH CORPORATION
CAMP, DRESSER & MCKEE, INC.
CAREY, O'MALLEY, WHITAKER & MANSON
CH₂M HILL
JONES, EDMUNDS & ASSOCIATES, INC.
MACTEC
PBS&J
WILSONMILLER, INC.**

HYDROLAB CORPORATION

**ASR SYSTEMS
BASKERVILLE-DONOVAN, INC.
ENVIRONMENTAL TURF
LINDAHL, BROWNING, FERRARI & HELLSTROM, INC.
SOUTHEAST ENVIRONMENTAL SOLUTIONS, INC.**

**BIOLOGICAL RESEARCH ASSOCIATES
HIGGINS ENGINEERING, INC.
MASTELLER & MOLER, INC.**



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.

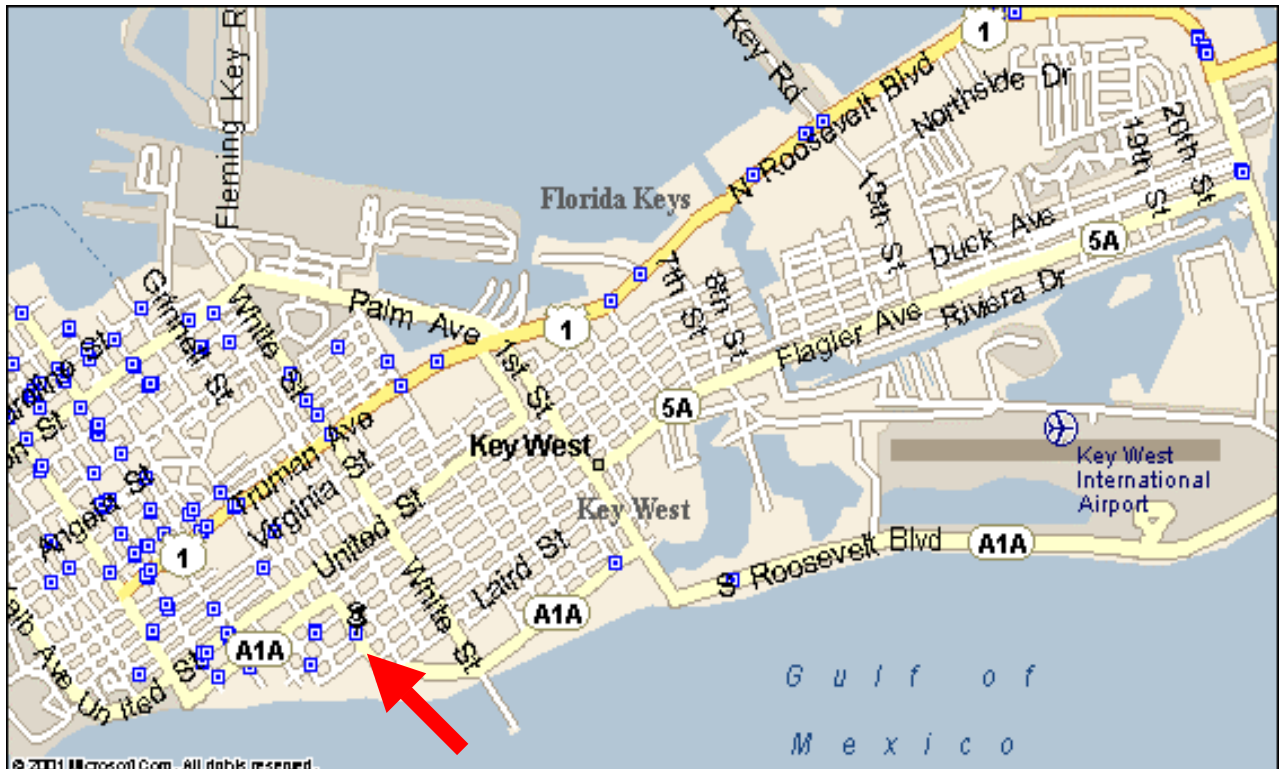
Section Use Only:

Date Received: _____ Check #: _____ Amount: _____



Pictured Left: An aerial view of the Wyndham Casa Marina Resort.

The map view below shows North and South Roosevelt Boulevard on Key West in relation to the airport. The “pushpin” is the Wyndham Casa Marina Resort on Reynolds Street. The alternate hotels are on North or South Roosevelt Boulevard.



Directions to Wyndham Casa Marina Resort:

From Key West Airport, Florida, USA (EYW)

Leave the airport and turn right onto S. Roosevelt Boulevard. Roosevelt will merge onto Bertha. Turn left on Atlantic. Atlantic will merge onto Reynolds Street. The Wyndham Casa Marina Resort & Hotel - Key West, Florida FL is on your left.

From Miami International Airport, Florida, USA (MIA)

Take the turnpike South to US Highway 01 until the mile 5 indicator in Key West. At traffic light Highway A1A turn left towards Flagler. Turn right on Flagler until Reynolds.

From Fort Lauderdale Airport, Florida, USA (FLL)

Take the turnpike South to US Highway 01 until the mile 5 indicator in Key West. At traffic light Highway A1A turn left towards Flagler. Turn right on Flagler until Reynolds.



AWRA Newsletter Editor:

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

Contact Upcoming Meeting Chairmen Regarding Sponsorship or Assistance

Key West
July 29-31, 2004
John Wehle
561-253-4309

Ft. Myers
September 17, 2004
R. Hamel & R. Edenfeld
863-675-2180

Orlando
November 1-4, 2004
Harriette Bayse
540-687-8390

Welcome New Members!

Ron N. Armstrong, PE, RA Engineering, Yankeetown
Pamela D. Benjamin, Citrus County, Lecanto
James K. Cheek, Jr., PE, Citrus County Engineering Division, Lecanto
Susan Engle, Envirocare, Inc., Ft. Lauderdale
Laurie A. Hurner, Florida Citrus Mutual, Sebring
Sheri F. Lewin, Mitigation Marketing, LLC, Orlando
Cara S. Martin, Florida Farm Bureau Federation, Brooksville
Rusty B Wiygul, Florida Citrus Mutual, Weirsdale

