

AWRA Florida Section • FWEA First Coast Chapter Joint Meeting – January 13-14, 2006

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Benefits and Costs of Beach Renourishment and Inshore Dredging

Technical Program: The Florida Section of the American Water Resources Association and the First Coast Chapter of the Florida Water Environment Federation announce a joint meeting scheduled for Friday, January 13 and Saturday, January 14, 2006. Technical sessions begin Friday at 1 pm and continue to 5 pm with speakers from consulting firms, state agencies, and universities addressing the technical, economic and environmental issues associated with beach renourishment and inshore dredging. The program is followed by a social hour and dinner with Mr. Robert "Chip" Patterson, Chief, Emergency Preparedness Division, City of Jacksonville, speaking on the topic "Is Northeast Florida Prepared for the Next Katrina?" A field trip is planned to the Guana Tolomato Matanzas National Estuarine Research Reserve the morning of Saturday, January 14. The Reserve encompasses approximately 60,000 acres of salt marsh and mangrove tidal wetlands, oyster bars, estuarine lagoons, upland habitat and offshore seas. The field trip will include a tour of the new 21,000 square-foot Environmental Education Center as well as a one-mile guided nature walk.

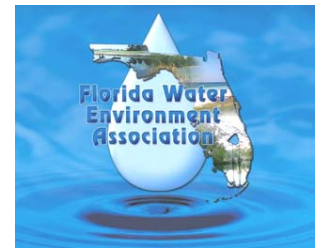
Location: The technical sessions will take place at the University Center on the beautiful University of North Florida (UNF) campus in Jacksonville. A retreat-like setting, the UNF campus sits right in the middle of a 1,000-acre nature preserve on the southern edge of suburban Jacksonville. The University Center is a state-of-the-art conference facility that offers participants an opportunity to enjoy a productive meeting a world away from the noisy distractions of everyday life.



*2006 Meetings: January 13 Jacksonville; March 17 Wakulla Springs; May 19 Tampa/St. Pete;
July 13-15 Key West; September 15 Delray; November 17 Ft. Myers*



Joint Meeting
AWRA Florida Section & FWEA First Coast Chapter
University of North Florida • Jacksonville, Florida



***Benefits and Costs of Beach Renourishment
& Inshore Dredging***

Friday, January 13, 2006

11 am – 1 pm **AWRA Florida Section Board of Directors' Meeting**
*Box lunches to be served – Dutch Treat; Section members welcome**

12 – 1 pm **Registration**

Technical Program – Agenda

1:00 pm **Welcome and Section/Chapter Business**

1:15 pm **Introduction of Technical Program**

1:20 pm **Beach Renourishment – Overview and Case Study**
Dr. Kevin Bodge, Olsen Associates

1:50 pm **Beach Renourishment – Economic Impacts**
Dr. William Stronge, Department of Economics, Florida Atlantic University

2:20 pm **Beach Renourishment – Environmental Impacts**
Michael Barnett, Bureau of Beaches and Coastal Systems, FDEP

2:50 pm **Break**

3:10 pm **Inshore Dredging – Overview and Case Study**
John Adams, Taylor Engineering, Inc.

3:40 pm **Inshore Dredging – Economic Impacts**
David Roach, Florida Inland Navigation District

4:10 pm **Inshore Dredging – Environmental Impacts**
Donald Deis, PBS&J

4:40 pm **Summary and Wrap Up**

4:50 pm **Preview of Saturday Field Trip**
Guana Tolomato Matanzas National Estuarine Research Reserve

5:00 pm **Social Hour**

6:00 pm **Dinner**
Is Northeast Florida Prepared for the Next Katrina?
Robert “Chip” Patterson, Chief, Emergency Preparedness Division, City of Jacksonville

Field Trip

Saturday, January 14, 2006

9 am - 1 pm **Guana Tolomato Matanzas National Estuarine Research Reserve
& Environmental Education Center, Ponte Vedra Beach**

** Please note your attendance at the Board Meeting on the Registration Form. Thank you.*



AWRA NATIONAL NEWS

Remember to visit the national webpage or call the AWRA Headquarters at 1-540-687-8390. Anyone there will be glad to help you. Again, thanks.

Bob Moresi
Past President

AWRA FLORIDA NEWS

- New Member Services Coordinator
- Membership Directory Updates
- Board of Directors Summary
- Technical Program Summary
- Student Chapter News
- Education Committee News
- 2006 Membership Dues – Jan. 1
- Ballot for 2006 Board of Directors

New Member Services Coordinator

It has been my pleasure to serve as the coordinator of member services since 1997. Since that time the leadership at AWRA has made some improvements in our membership directory and provided other benefits such as the PDH credits for PEs. We've improved our interaction with members through use of the web site, email and hard copy information at the registration tables during our bi-monthly conferences.

I will be moving on to other responsibilities and leave you in the capable hands of Annette Carter. Please welcome her and support her as she takes on this important responsibility. I know she will do a great job and AWRA will continue to be the premier professional association for water resources education, including networking with water resources professionals across all disciplines. Thank you. David Watt

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 Annette Carter or me. -- *David Watt*

Page 8

Douglas Dycus
Bureau Veritas/Berryman & Henigar
1414 SW Martin Luther King Jr Ave
Ocala FL 34474
Voice: 352-368-5055
Fax: 352-368-5063
Email: Doug.Dycus@us.bureauveritas.com

Page 21

Ed Maciejko
1707 Orlando Central Parkway Suite 200
Orlando FL 32809
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Page 29

Betty Rushton
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Gainesville FL 32608
Email: bettyrs@atlantic.net

Board of Directors Summary

- by Cathy Vogel

The AWRA Florida Section Board of Directors met in Ft. Myers on Friday, November 17 in advance of the 15th Annual Southwest Florida Water Resources Conference. President Allan Biddlecomb presided over the meeting. The minutes from the September 30th meeting in Cedar Key were approved, and the Board learned that the Section has over \$36,000 in cash on hand, \$2000 of which is earmarked for the Sanford Young Scholarship Fund, leaving an operating balance of over \$34,000.

It was also announced that the Sandy Young Fund has a balance of \$22,000, \$10,000 of which came in a donation from Biological Research Associates, the firm Sandy founded. The Board discussed how these funds should be invested, and Patrick Victor, Rosanne Clementi and Bob Higgins were selected to further investigate options, review these with the Section's accountant, and bring recommendations back to the Board in January. It was also

agreed that Higgins, Clementi and Doug Durbin would draft a paper explaining the purpose and criteria of the Sandy Young Scholarship.

There were several announcements from the Nominating Committee. Three openings have occurred on the Board: Rand Edelstein is stepping down, Gail Murray is moving out-of-state, and Ron Hamel announced that he will not seek re-election to the Board. The Committee made recommendations to the Board on filling these three seats, which were approved, and the recommended candidates, along with existing Board members will be placed on the ballot which will be distributed to the Section membership before year's end.

Dave Watt reported that the Section has eight new student members, and he and Victor are in the process of putting together the latest Membership Directory. The Board discussed the category of lifetime membership award, and it was agreed that a policy on this level of membership be available for review and approval at the January meeting. Two candidates were also recommended for lifetime membership in 2006. The Board approved the candidates, and their award will be announced at the annual conference in Key West.

In other business, Cathy Vogel updated the Board members on a proposed DEP rule that will affect the state wetlands jurisdiction delineation - moving the species slash pine and gallberry onto the facultative vegetation index.

Steve Nix reported on plans for the January meeting that will be held at the University of North Florida in Jacksonville on January 13th. That meeting will focus on the benefits and costs of beach renourishment and inshore dredging.

Technical Program Summary

- by Jay Yingling

Water – The Big Picture, Trudi Williams, PE, Florida House of Representatives

Representative Williams presented her perspectives on several issues important to the area. They included the success of phosphorus BMPs in reducing loadings to Lake Okeechobee, the importance of the CERP in mitigating damaging freshwater releases to the St. Lucie and Caloosahatchee Rivers, the delegation of USACOE wetland delineation and permitting to the State of Florida, tax breaks for solar energy and hybrids, and the Accelerate program that will add reservoir space in the upper Kissimmee valley to reduce peak flows into Lake Okeechobee.

Operation of the Central and Southern Florida Project, Bob Howard, SFWMD

Mr. Howard provided an overview of the project first authorized in 1948. While the primary purpose of the project was flood control, other objectives include water supply, navigation and the protection of fish and wildlife. The ability to reduce levels in Lake Okeechobee is limited during major storm events and inflows frequently exceed total outflow capacity. Pulse releases from the lake that cause shorter durations of lowered salinity in the receiving estuaries have been shown to cause less environmental damage than continuous releases. They believe that a new regulation schedule (approved in 2000), a new decision tree model that takes into account the dispersion of lake level probabilities, and other projects will enable them to better schedule releases than in the past and further minimize release impacts.

Pitcher Users' Perspectives Panel Discussion: Hugh English, former SFWMD Governing Board Member; Roland Ottolini, Lee County Division of Natural Resources; Jennifer Heckler, Conservancy of Southwest Florida; Tamara Pigott, Lee County Visitor and Convention Bureau

Mr. English first provided an overview of the alteration of the Caloosahatchee River Basin and emphasized that the drainage alterations have made development possible. Mr. Ottolini discussed the apparent increases in blue-green and red algae in the Caloosahatchee and red tide on Lee County beaches and the impact they have had on the crabbing and tourist industries. However, he recognized that water managers have done as much as possible under the circumstances to address the environmental problems associated with the Caloosahatchee. Ms. Heckler said that we are now seeing the effects of having to maintain high water levels in Lake Okeechobee (reduced submerged aquatic vegetation and losses in apple snail and snail kite populations) and the impacts of large freshwater releases to the estuaries. People want solutions. Ms. Pigott indicated that tourism brings in \$2 billion per year to the Lee County economy and that the visitors' bureau is getting questions never heard before relating to the safety of the local beaches. Better answers, primarily related to red tide, are needed from experts.

The panel participants further addressed numerous issues: Caloosahatchee water quality and quantity, economic impacts to tourism and agriculture (land acquisitions), and development pressure. All agreed that it is not possible to go back to pre-development conditions but attempts should be made to keep conditions from worsening.

Potential Solutions: Beverly Grady, Roetzel & Andres Law Firm; Dick Anderson Little Pine Island Mitigation Bank, Carla Palmer SFWMD, Debra Wagman, ACOE and Ron Edenfield (moderator)

Mrs. Palmer said that the Lake Okeechobee Estuary Recovery (LOER) plan is a \$200 million project designed to store and treat water in stormwater treatment areas before it reaches Lake Okeechobee. The plan also addresses fertilizer BMPs for agriculture and urban areas, termination of wastewater residual land spreading in the basin, acceleration of TMDL development for tributaries to Lake Okeechobee, and revisions to Environmental Resource Permitting (ERP) rules. Regarding pollutant loadings in the Caloosahatchee, the majority is from the developed portion of the river's basin and not from Lake Okeechobee. Debra Wagman discussed plans to moderate peak flows and augment flows in dry periods. Mr. Anderson indicated that we need more forward and innovative thinking in addressing the issues. If you think about solutions in today's terms, you've missed the boat. Ms. Grady agreed that that thinking "outside of the box" is required and indicated that the federal government needs to step forward with funding as the state has. Ms. Wagman indicated that time is passing us by in terms of purchasing required project land. Ms. Palmer said that both the state and SFWMD are investigating changes to ERP rules.

Time to Renew Your Membership for 2006

Florida Section membership dues for 2006 are due January 1st. Please use the membership application form in this newsletter, or the one on our web page at www.awraflorida.org. Thank you for your continued support of water resources education through AWRA!

Florida Section Meeting Notice – March 17, 2006

Mark your calendars for the March 17, 2006 Florida Section meeting in Wakulla Springs. Meeting coordinators are Don McEwen (850-539-9508) and Bill Stimmel (850-668-8079) if you have any questions. The February 2006 issue of the Watershed will provide details of this meeting.

Education Committee

-- Rosanne Clementi

The Education Committee took one more request for funds from the JB Butler Science Grant from a teacher, Carolyn Schultz, from the School of Arts and Sciences in Tallahassee. Ms. Schultz teaches science to K-3 students. They study science issues in themes and this year they will study plants, transportation and China. They will be studying water related issues on these three areas and will end the year with a school wide Expo. We are proud to assist Ms. Schultz with her efforts to promote water resource education.

January 2006 starts the New Year for the JB Butler Science Grant and the William V. Storch Awards. Remember the new deadline for Storch is 31 March 2006. The deadline for the Butler Science Grant will be 30 June 2006 so we can make the award by the time school begins in August/September.

A super big *THANK YOU* to the employees of Biological Research Associates for a \$10,000 donation to the Sanford N. Young Scholarship Fund. We now have over \$22,000 in this fund! We are reviewing investment options for this money to make it an endowment fund. We could use suggestions on what disciplines/topics to choose to honor Sandy's memory for the disbursement of the first scholarship/award. All suggestions are greatly appreciated. The Education Committee could always use help and fresh ideas. Interested in helping: drop an email to rclementi@sesi.cc.



2006 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

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)
 \$ _____ **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@tceci.com or (772) 781-3403.

Section Use Only:

Date Received: _____ Check #: _____ Amount: _____

Ballot

AWRA Florida Section 2006 Board of Directors Nominations

Each year we must vote to approve our Board of Directors and Officers. Members may vote with or without the attached ballot; i.e. a short note with the active member's voting preference will also suffice as a valid ballot.

Votes should be emailed to Michael DelCharco, PE, Tellers Committee, at the following email address (mdelcharco@taylorengineering.com) or via regular mail to Taylor Engineering, 9000 Cypress Green Drive, Suite 200, Jacksonville, FL 32256.

Please submit your vote by December 20, 2005. Only votes by active members will be counted. Thank you for your cooperation.

2006 Board of Directors, AWRA Florida Section

Robert W. Higgins, P.E.
West Palm Beach

Kristin K. Bennett, Esq.
West Palm Beach

Gary K. Howalt
Jacksonville

Patrick R. Victor, P.E.
Jacksonville

Gordon H. Brown
Gainesville

Donald W. McEwen
Havana

Cathleen C. Vogel
Miami

Annette F. Carter
Stuart

Stephan J. Nix, Ph.D.
Jacksonville

Jay W. Yingling
Tampa

Douglas J. Durbin, Ph.D.
Jacksonville

Paul W. O'Neil, Jr., P.E.
Tampa

Ron M. Edenfield, P.E.
Fort Myers

Garrett Wallace
West Palm Beach

John J. Fumero, Esq.
West Palm Beach

David R. Watt, P.E.
Palatka

Carol Hinton
Gainesville

Approval of Candidates _____

Write in Candidate(s) _____
to replace _____

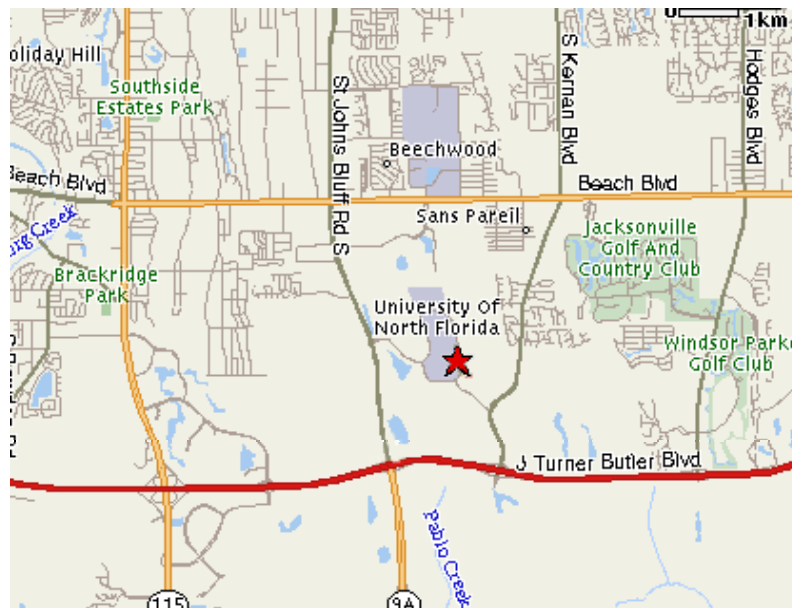
This page has been intentionally left blank to allow the 2006 Ballot to be removed from the newsletter, if you wish to mail in your Ballot.

Please note that you may also email your vote as indicated in the instructions on the Ballot.

Thank you.

Directions to University of North Florida:

The UNF campus is located in southeast Jacksonville. From I-95, take the J. Turner Butler Boulevard exit (exit 344) and head east. From J. Turner Butler Blvd., take the fourth exit (Kernan Boulevard) and head north. The University campus is approximately 1 mile on the left. The University Center is immediately on your left as you enter campus. Parking is plentiful and free.



Registration:

Registration is \$40 (\$30 spouses, \$20 students), which includes a buffet dinner.

Accommodations:

There are a number of nearby hotels. Three recommended locations are:

- Wingate Inn - Jacksonville East Windsor Parke (near the UNF campus)
4791 Windsor Commons Ct (J.T. Butler Blvd & Hodges Blvd), Jacksonville, FL 32224
Phone 904-421-7000
- Sea Turtle Inn (at the beach, excellent proximity to nightlife)
1 Ocean Blvd, Atlantic Beach, Florida 32233
Phone: 904-249-7402, 800-874-6000
- Hilton Garden Inn – Jacksonville/Ponte Vedra (near the Guana Tolomato Matanzas Reserve)
45 PGA Tour Boulevard, Ponte Vedra, FL 32082
Phone: 904-280-1661
- Sawgrass Marriott (also near the Guana Tolomato Matanzas Reserve, will waive parking fee)
1000 PGA TOUR Boulevard, Ponte Vedra Beach, FL 32082
Phone: 904-285-7777, 800-457-4653

For more details:

Visit the AWRA Florida Section website (www.awraflorida.org); or contact:

Steve Nix, UNF Division of Engineering, 904-620-1390, snix@unf.edu

Michael DelCharco, Taylor Engineering, 904-731-7040, mdelcharco@taylorengeering.com

Jessica Weatherby, PBS&J, 904-363-8485, JAWeatherby@pbsj.com.

Benefits and Costs of Beach Renourishment and Inshore Dredging
University of North Florida • Jacksonville, Florida
January 13 – 14, 2006

Sponsors
(as of 11/28/05)

***Camp Dresser & McKee Inc.
Environmental Services, Inc.
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***JEA
PBS&J
Taylor Engineering, Inc***

***England-Thims & Miller, Inc.
Environmental Resource Solutions, Inc.***

***Lewis Longman & Walker, P.A.
Pappas Metcalf Jenks & Miller, P.A.
Reynolds, Smith & Hills, Inc.***



Guana State Park

Ft. Pierce Beach Renourishment



Florida Inland Navigation District Dredge



Joint Meeting
AWRA Florida Section/FWEA First Coast Chapter
 Friday, January 13, 2006
 University of North Florida • Jacksonville, Florida

Registration Form

Meeting Registration Deadline – January 6, 2006

Name _____

Organization _____

Mailing Address _____

Phone _____

E-Mail _____

Guest Name _____

Registration includes buffet dinner.

Make checks payable to AWRA Florida Section and mail to:

Michael DelCharco	Registration (Includes Buffet Dinner)	_____	X \$40 =	\$ _____
Taylor Engineering, Inc.	Guests (Dinner Only)	_____	X \$30 =	\$ _____
9000 Cypress Greene Drive	Students* (Includes Buffet Dinner)	_____	X \$20 =	\$ _____
Jacksonville, Florida 32256	TOTAL			\$ _____
(904) 731-7040	Number attending Saturday Tour	_____		
mdelcharco@taylorengeering.com	Number attending the Board Meeting	_____		Dutch Treat

** You may sponsor a student to attend the event by paying their registration fee. We will include your name with a thank you in the program brochure. If you wish to do this, please include the number of students you wish to sponsor. You may designate the student(s) or you may allow them to be used on a first come, first served basis.*

PDH Credit for Florida Professional Engineers

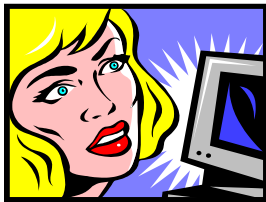
We have been approved by the Florida Board of Professional Engineers (FBPE provider # EX00089) to offer Professional Development Hour (PDH) credit to Florida registered Professional Engineers. You will only receive credit if you attend the entire technical session. Please check the box below and include 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 Newsletter Editor:

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

☞ Contact Upcoming Meeting Chairmen Regarding Sponsorship or Assistance ☞

Wakulla Springs
March 17, 2006
Don McEwen
850-539-9508

Tampa/St. Pete
May 9, 2006
Jay Yingling
352-796-7211 x4406

Key West
July 13-15, 2006
John Wehle
561-253-4309

Delray
September 15, 2006
Patti Lodge
561-254-1792

Ft. Myers
November 17, 2006
Ron Hamel
863-675-2180

Welcome New Members!

Erin C. Atkinson, University of Florida student
John R. Hall, PE, Ludovici & Orange Consulting Engineers, Inc.
Richard P. Whalen

